SHOUT
SHARE
IT

Mem.

All scribblings by M.P. Kerney in these 3 vols. of Stelfox's Journal have been removed today 10/2/1975

N F McMillan

Vols. 1, 2 and 3 of Stelfox's Journal were lent to M.P. Kerney (Imperial College, London) and were returned by him heavily annotated — naturally without my permission or knowledge.

Nora F. McMillan

Lists of Land & Freshwater Mollusca & Localities Found in Great Britain & Ireland

by

A. W. Stelfox

Also lists from Foven & Caen in Normandy and several from Norway.

Vol. 1.

August 10th 1904.

Ormeau Park & East Belfast district.
Sunday 12th August 1905.

Co. Down.

Limax maximus. L.	Common at Oakleigh, all var ferrusaci. 1904.
" flavus. L.	Several specimens in cucumber frames Oakleigh. Summer 1904.
" arborum	Rare on trees near Oakleigh. 1901.
Agriolimax agrestis.	Very common in garden, Oakleigh. 1904.
" laevis.	Rare in Marsh near Oakleigh & in garden. 1903.
Milax sowerbyi.	Common in "Lilly of the Valley" beds in Oakleigh, 1902.
Vitrea cryptallina	Fairly common in nettles at Oakleigh 1905.
" cellaria	Common in above situation & also in greenhouses.
" alliaria	Common in nettles as above & greenhouses.
" radiatula	A few specimens in nettles but rare.
Euconulus fulvus	In nettles at Oakleigh but not common.

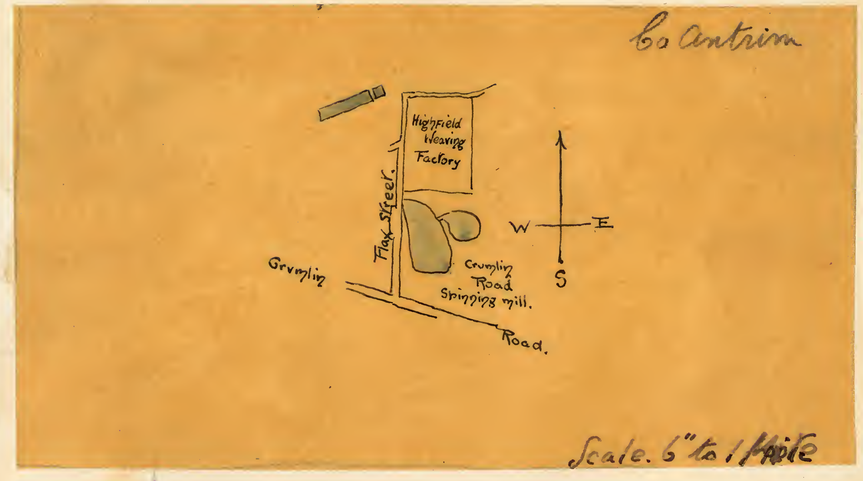
Ormeau Park continued.

Arion ater	Very common. Type & vars. castanea & plumbea. 1905.
" subfuscus	Fairly common but not so plentiful as in previous years. 1905.
" intermedius	Frequent in nettles at Oakleigh - 1900
" hortensis	Very common in garden at Oakleigh. Almost a pest. 1905
" fasciatus	Also common in garden but not so abundant as h
Pyramidula rotundata	Common all round Oakleigh. 1905.
Hygromia hispida.	Common in nettles at Oakleigh. 1905.
Helix nemoralis.	Common at Ardenlee House in 1898. ~~All var.~~ ~~rufescens~~.
Cochlicopa lubrica	Common at Oakleigh. 1905.
Vertigo antivertigo	Several specimens in rejectamenta from Lagan 1904.
Clausilia bidentata	Common at Oakleigh. 1905.
Succinea ~~putris~~ Pfeifferi. G.W.S. 1916.	A few in ditch, Ardenlee Avenue. 1898.
Limnaea peregra	Ravenhill Brick Pond & Ardenlee. 1898. One abnormal specimen at latter place.
" truncatula	A few in marsh at Oakleigh. 1901.
Planorbis albus	Common in Ravenhill Brick Pond 1905.
" umbilicatus	Rejectamenta from Lagan 1904.
" contortus	Rejectamenta from Lagan 1904.
Aplecta hypnorum	Common in ditch in Ardenlee Avenue 1898. This ditch has since been removed but Aplecta may still survive in similar situations close by. 1905. Specimens collected in 1898 were very large.
Bythinia tentaculata	Rejectamenta from Lagan 1904.
Valvata piscinalis	Rejectamenta from Lagan 1904.
Pisidium pusillum	Ravenhill Brick Pond 1898. also P. nitidum, P. pusillum, and P. subtruncatum in 1905. [G.W.S. 1916.]

Vallonia excentrica Sterki in moss at Oakleigh from "Lower" at Oakleigh G.W.S. June 1905. [illegible] in 1912

~~A specimen of Planorbis corneus was found in Lough Neagh gravel at Oakleigh by C.Y. Stevenson when with me. G.W.S. 1898~~

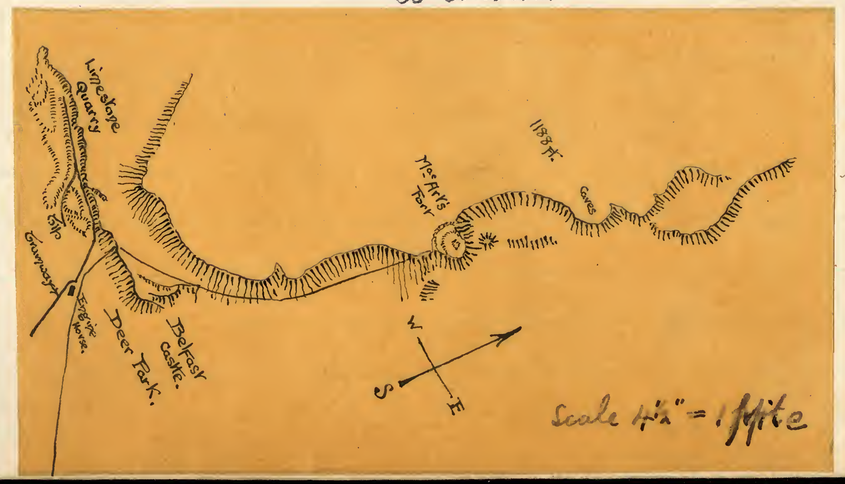
Highfield Mill Dam.
Off Crumlin Road. Belfast



G.W.S. + R.W.
7.8.05.

Planorbis glaber	Very common but all dead. Largest specimen was 4.5 × 3.0 m.m. Temperature of water probably 100° Fahr.
Limnaea peregra	Very common. Some specimens with very reflexed lips.
Valvata piscinalis	One specimen dead. This & above were collected on 7th Aug. 1905.

Cave Hill
Co Antrim



Cavehill cont.

Agriolimax agrestis	Common. 1904.
Vitrina pellucida.	Plentiful, but dead, on quarry tip. 1904.
Vitrea crystallina	Common in moss on quarry tip 1904.
" cellaria	At base of deer park wall. 1904
" nitidula	In above situation. Common. 1904.
" pura	In moss on tip. 1904
" radiatula	In moss on tip, with var. viridescenta-alba. 1904.
Euconulus fulvus	a few small specimens on quarry tip. 1904.
Arion ater	Common.
" subfuscus	Under stones at Engine House of quarry 1904
" fasciatus	" " " " " " " "
Punctum pygmæum	In moss on quarry tip. 1904
Pyramidula rotundata.	Common. 1904
Hygromia hispida	Very common, with var. hispidosa 1904
Acanthinula aculeata.	Fairly plentiful in moss on quarry tip, with var. alba. 1904.
Helix nemoralis	Common. Mostly var. libelula-albolabiata, 00345. 1904.
Ena obscura	Common on Deer Park Wall & at Engine House. 1904.
Cochlicopa lubrica	Common with var. hyalina. 1904.
Jaminia cylindracea.	Common with var. albina. 1904.
Vertigo pygmæa	Numerous in quarry 1904.
Clausilia bidentata	Common. 1904.
Succinea putris	In small streams below quarry. 1904.
Carychium minimum	Common. 1904.
Limnæa peregra	In streams below quarry. 1904
" truncatula	" " " " "

Cretaceous

Cave Hill cont.

Pisidium casertanum, " nitidum, " personatum } A.O.S. 14-3-16

Acicula lineata	Common in moss with var. alba in quarry 1904.
Pisidium pusillum	In stream in quarry. 1904 } Verified by C. Oldham.
" obtusale	" " " " "

Downpatrick Marshes.
August 6th 1905. Co. Down.

Glacial

Limax arborum.	Under trees near Wheat Hill Bridge.
Agriolimax agrestis	Common near Loop Line.
" lævis	In marsh frequent.
Vitrea alliaria	One specimen near Loop Line.
" nitidula?	One doubtful specimen, young, near Loop Line.
" pura	a few at Loop Line.
" radiatula	One specimen, var viridescenta-alba, at Loop Line.
Euconulus fulvus	a few young near Loop Line.
Zonitoides nitidus	One dead in field at Downpatrick Station.

Downpatrick cont.

Arion ater	Common at Loop Platform. Vars plumbea & castanea.
" subfuscus	Near Loop Line.
" intermedius	Common at Loop Platform.
" fasciatus	Loop Line.
Pyramidula rotundata.	Common on Loop Line, also near Wheat Hill.
Helix nemoralis	a few at Loop Platform
Hygromia hispida	Plenty, young, near Loop Line.
Cochlicopa lubrica.	Common on Loop Line.
Jaminia cylindracea.	Wheat Hill, fairly common.
Vertigo pygmaea	Two specimens at Loop Platform.
Clausilia bidentata	Wheat Hill.
Succinia elegans	Type common with vars. pfeifferi &
Carychium minimum.	a few on Loop Line.
Limnaea peregra	Common in all ditches, also at Drumsallagh Pond.
" palustris	Common in all ditches but a few very large in drain at Loop.
" truncatula	Common everywhere. Drumsallagh Pond.
Planorbis albus	Loop Line & Drumsallagh Pond.
" [umbilicatus	Plentiful young. ? I think a mistake. G.W.S. 1914]
" carinatus	In ditch west of Loop Line.
" spirorbis	In field at Station.
" contortus	Very common. Also at Drumsallagh Pond.
" fontanus	Fine specimens in ditch in Photo. Also at Drumsallagh.
" crista	One specimen near station in 1899. None in 1905.
Physa fontinalis.	Common everywhere & at Drumsallagh Pond.
Aplecta hypnorum.	In field near Station.
Acroloxus lacustris	a few dead west of Loop Line. Common at Inch Abbey in 1903.

Vallonia excentrica — mounted collection taken at "Downpatrick" — 1899 18 G.W.S. G.W.S. 1924.

Downpatrick cont.

Bythinia tentaculata.	Common. Everywhere.
Valvata piscinalis.	Common everywhere. Drumsallagh Pond.
" cristata.	Common everywhere. Drumsallagh Pond.
Sphaerium corneum	Very fine specimens near Loop Line.
" lacustre	In same situation as above & also a few very large in drain between Wheat Hill & Drumsallagh.
Pisidium nitidum	Two specimen } [G.W.S. 1916.]
" milium	Common }

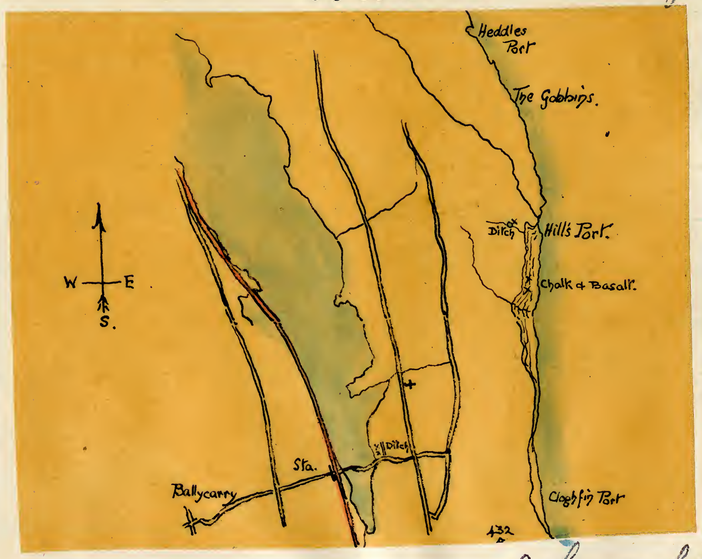
Marshes at Downpatrick.

Ravenhill Brick Pond. See page. I. 4th Sept. 1905.

Limnaea peregra	Common
Planorbis albus	Common & fairly large.
" fontanus	One large specimen dead.
Pisidium nitidum	} [G.W.S. 1916]
" pusillum	
" subtruncatum	} See p. 2 ante.

Also Pl. spirorbis & rotatum Pl. lacustris

Islandmagee.
Co Antrim. 27th August 1905.



Hills Port on Cretaceous

Scale 1 inch to 1 mile.

Agriolimax agrestis.	at Ballycarry Ford & Hill's Port. a few only.
Vitrina pellucida.	a few dead on chalk at Hill's Port.
Vitrea crystallina.	Ballycarry Ford & Hill's Port.
" cellaria.	Plentiful, but all dead at Hill's Port.
" alliaria.	One specimen, var. viridula, at Hill's Port.
" nitidula.	a few at Hill's Port.
" radiatula.	One specimen at Ballycarry Ford.
" pura.	a few at Hill's Port.
Arion ater.	Ballycarry Ford & Hill's Port.
" intermedius.	One specimen at Ballycarry Ford.
" subfuscus.	One young specimen at Hill's Port. R. Welch.
Pyramidula rupestris	Plentiful on chalk debris at Hill's Port.
" rotundata	Ballycarry Ford & Hill's Port.

Islandmagee cont.

Hygromia hispida	Hill's Port, Cliff Path & Ballycarry Ford. Common.
Helix aspersa.	Common, dead, in holes in chalk at Hills Port.
" nemoralis	Common at Hill's Port.
Cochlicopa lubrica	Hill's Port & Ballycarry Ford. Frequent.
Jaminia cylindracea.	Hill's Port, common.
Vertigo antivertigo	One specimen at Ballycarry Ford. R. Welch.
" pygmaea	a few at Ballycarry Ford. R. Welch.
Balea perversa.	Common with P. rupestris at Hill's Port. Very large & with exceptionally well formed lip.
Clausilia bidentata	Some fine large specimens at Hill's Port with Balea.
Succinia elegans	a small form common at Ballycarry Ford.
Carychium minimum	Ballycarry Ford & Hill's Port.
Limnaea peregra	Ballycarry Ford & Ditch above Hills Port.
" truncatula	Ballycarry Ford & Hill's port.
Planorbis spirorbis.	Plentiful & large in ditch near Ballycarry Ford.
Aplecta hypnorum	Plentiful young with P. spirorbis as above.
Paludestrina ventrosa.	a few dead in pools at Ballycarry Ford.
" stagnalis	One specimen at Ballycarry Ford.
Pisidium casertanum	Both common at Ballycarry Ford and at roadside above Hill's Port. [Ver. A.W.S. 1916].
" pusillum	

Islandmagee cont.

Hills Port, Black Hd in distance.

Gobbins from Hills Port.

Mill Dam at Harper's Bridge.
2 miles south of City of Belfast Boundary
on Road to Saintfield. Co Down.
10th Sept. 1905.

Hygromia hispida	One dead in Dam.
Janvinia cylindracea	Common on wall along road at Harpers Bridge.
Limnaea peregra	Common.
" palustris	Common. All young.

Harper's Bridge, cont.

Limnaea truncatula	Common in flooded parts of dam.
Planorbis crista	Common on duck-weed in dam.
" contortus	Fairly common.
Pisidium personatum	[Ver. A.W.S. 1916] Common.

Harper's Bridge Dam
looking north-west.

known locally
as "Hunter Mill"
A.W.S. 1914.

Warrenpoint & Rostrevor
Co Down 17th Sept. 1905.

Warrenpoint & Rostrevor cont.

Agriolimax agrestis	A few specimens along Milltown road.
" laevis.	Common in swamp on Milltown road.
Vitrea crystallina	Milltown road & Water Works, rare.
" cellaria	Milltown road, rare.
" alliaria	Milltown road, rare.
" nitidula	Milltown road, rare.
" pura	Water Works, rare.
" radiatula	Milltown road, common & very fine.
Euconulus fulvus	Milltown road & Water works.
Arion ater	Milltown road & Water works.
" hortensis	One specimen on Milltown road.
Zonitoides nitidus	Very common & large at Water Works. Plentiful young.
Punctum pygmaeum	One specimen on Milltown road.
Pyramidula rotundata	Milltown road, common. Also near Rostrevor.
Helicella zakarensis Kobelt.	One immature specimen found alive near Rostrevor. The spot is indicated on map by a small red cross. The specimen was under a stone among nettles in the ruin of a cottage. Feb 1898. Mr. Welch + myself searched this spot carefully on 11th Sept 1905 but found no trace of any colony, indeed it would be a strange place for any Helicella to live.
Hygromia hispida	Common.
" rufescens	Common.
Cochlicopa lubrica.	Water Works + on Milltown road.
Jaminia cylindracea	Common.
Limax arborum	Thunders Hill. rare.

Silurian.

Warrenpoint & Rostrevor cont.

Vertigo antivertigo	Very common at Water Works.
" pygmaea.	Common & large along Milltown road 1 mile from Station.
Balea perversa	Near Rostrevor, rare.
Clausilia bidentata	1 young specimen on Milltown road.
Succinea putris	Milltown road, a few only young.
" elegans	Water Works, mostly dead.
Carychium minimum	Common.
Limnaea auricularia	Common at Water works. Very fine specimens but all dead.
" peregra	Local.
" palustris	Milltown road & water works.
" truncatula	rare.
Planorbis fontanus	Fairly common, dead, at Water works.
" albus	Water works, rare.
" spirorbis	Milltown + Water works.
Paludestrina jenkinsi	In millions in small stream close to outlet of Moyjannon River, Warrenpoint.
Valvata cristata	Waterworks, rare,
Ancylus fluviatilis	Glen river, common, young.
Pisidium personatum	Common.
" milium	Common. [Ver. A.W.S.
" subtruncatum	One spec. 18-3-16]
" Nitidum	One spec

Photo. of roadside where Helicella zakarensis was found.

North-west Donegal. 23rd Sept – 4th Oct 1905. (with Dr. G. H. Bentley)

All granite, felsit or Trachyte.

Pub. in I. Nat.

Inishcoole, Bunbeg. 23rd Sept. 1905.

agriolimax agrestis	Common.
arion ater	a few specimens.
" subfuscus	common, young.
Helicella itala	Very common & some fine large specimens facing sea.
" barbara	Common.
Helix nemoralis	a beautiful form approaching var. citronozonata.
Janinia cylindracea	Common but small.
" muscorum	Common, alive, at roots of grass.
Cochlicopa lubrica	Common.
Vitrina pellucida	Common.
Vitrea alliaria	a few specimens.
acanthinula aculeata	One specimen dead in moss.
Vallonia pulchella	Dead.

Sand dunes from Bunbeg to Magheragallon Old Church.

(B 72) 23rd & 24th Sept.

Limax arborum	common under stones.
agriolimax agrestis	Common.
" laevis	Common below Middletown.
Milax gagates	a few specimens above Iniscoole.
Vitrina pellucida	Very common alive & good sized specimen.
Vitrea crystallina	Bunbeg. Shell pockets.
" cellaria	a few below Middletown.
" alliaria	Common.
" radiatula	Very rare at Middletown.
Pyramidula rotundata	Common.

Verified by A.W.S. 22-3-16.

Also Pisidium casertanum.
" personatum.
" pulchellum.
" lilljeborgii.
" obtusale
from Middletown, and
P. casertanum
P. pseudosphaerium
from Clady River.

Burbeg continued.

Helicella itala	Very common.
" barbara	Very common.
Acanthinula aculeata	Common in Shell Pockets.
Vallonia pulchella	" " " "
" costata	" " " "
Helix nemoralis	Common. Many white lipped.
" aspersa	Very common in dykes. The small wooden crosses in Magheragallon Ch. yard were in some cases completely covered with this shell.
Jaminia cylindracea	Common
" muscorum	Common in Shell Pockets.
Vertigo pygmaea	Shell Pockets & alive below Middletown.
" antivertigo	" " " " "
" pusilla	Common in shell pockets.
" angustior	" " " "
" substriata	" " " "
Clausilia bidentata	Common.
Carychium minimum	Common in suitable places.
Limnaea peregra	In pond below Middletown.
" truncatula	Middletown.
Planorbis glaber	All three common in pond below Middletown.
" spirorbis	
" crista	
Pisidium ~~pusillum~~	Middletown. See above!
Unio margaritifer	Very common in Clady River. All type.

L. auricularia in semi-desiccated Pipe n. of Burbeg.

Inishtrahull, off Carrickfin.
26th & 27th Sept 1905.

Agriolimax agrestis	Common.
Vitrina pellucida	Common.
Vitrea alliaria	a dark brown form, common.
Pyramidula rotundata	Fairly common
Helicella itala	abundant.
" barbara	
Vallonia costata	a good many specimens alive under stones
" excentrica	alive with above. Verified by A.W.S. 1924!
Acanthinula aculeata	Shell pockets.
Helix nemoralis	Rare alive. Plentiful in shell pockets.
Cochlicopa lubrica	Common.
Clausilia bidentata	Fairly common.
Jaminia cylindracea	Common in
" muscorum	Shell pockets.
Vertigo angustior	" " "
" pygmaea	" " "

Carrickfin Peninsula.
25th 26th + 27th Sept. 1905.

Agriolimax agrestis	Common.
" laevis	Shore of Dunmore Lough.
Vitrina pellucida	Frequent.
Vitrea crystallina	Very common in shell pockets.
" cellaria	" " " " "
" alliaria	Common alive & also in shell pockets.
" radiatula	a few on shores of Dunmore Lough.
" pura	Shell pockets.
Euconulus fulvus.	Common in shell pockets.
Pyramidula rotundata	Common.
Helicella itala	} abundant.
" barbara	
Acanthinula aculeata	Common in shell pockets.
Vallonia	
Helix nemoralis	} Common in old walls &c
" aspersa	
Cochlicopa lubrica	Common.
Jaminia anglica	Common in shell pockets
" muscorum	" " " "
" cylindracea.	Common.
Vertigo pygmaea	} All very common in shell pockets.
" antivertigo	
" substriata	

Carrickfin continued.

Vertigo pusilla.	Common in shell pockets
" angustior	" " " "
Sphyradium edentulum	" " " "
Clausilia bidentata	Frequent. also in shell pockets.
Succinea elegans	Shores of Loughs. all young.
Carychium minimum	Shores of Dunmore Lough + also in Shell Pockets.
Limnaea peregra	Common. a beautiful white form, var. candida, is very plentiful in Carnboy Lough. Besides being white these shells are very square shouldered. var. boissii.
" truncatula	Frequent.
Planorbis glaber	Common in Cormac's Lough + Dunmore + Carnboy Loughs.
" crista	One specimen, very large, in Carnboy Lough.
" spirorbis	Dunmore Lough, common.
Acicula lineata.	Very common in shell pockets.
Cisidum pusillum " milium " subtruncatum " lilljeborgii.	} "Dunmore Lough." [Ver. by A.W.S. 26-3-'16]
Limnaea auricularia	Var. acuta-albida was found with peregra in Carnboy Lough + verified by J. W. Taylor of Leeds.

Mullaghderry Lough + Dunes.
26th + 27th Sept. 1905.

Agriolimax agrestis	} Shores of lake
" laevis.	common.
Milax sowerbyi.	a few specimens on shore of lake.
Vitrina pellucida	Very common

Mullaghderg continued.

Vitrea crystalline	Shore of lake & in shell pockets.
" alliaria	Shore of lake. Common.
" cellaria	Shell Pockets, frequent.
Zonitoides nitidus	Under stones on shore of lake. Common mostly young.
Euconulus fulvus	Common with above on shore of lake.
Arion ater	Common on shore of lake.
" subfuscus	
Pyramidula rotundata.	Surprisingly rare.
Helix itala	All very abundant on dunes.
" acuta	
" nemoralis	
" aspersa	
Cochlicopa lubrica	Common.
Acanthinula aculeata.	a few specimens taken under stones on shores of lake without any trace of spines. Common in shell pockets.
Jaminia cylindracea	Common.
" muscorum	Common in shell pockets.
Vertigo antivertigo	Very common on shores of lake.
" pygmaea	Very common & large with above. Shell pockets.
" substriata	a few with above alive. also in shell pockets.
" angustior	In abundance in shell pockets, apparently freshly dead.
" pusilla.	Fairly common in shell pockets.
Clausilia bidentata	Rare. Also in shell pockets.
Succinea elegans	Very common with Vertigos on shores of lake.
Limnaea peregra	Common. a few specimens of var. candida.
" palustris	Common in lake.

Mullaghderg Continued.

Limnaea auricularia	Var. acuta fairly common but young. Some also var. albida.
Limnaea truncatula	Common on Shores of lake.
Carychium minimum	Common near lake. Also in shell pockets.
Planorbis crista	Rare.
" spirorbis	Common in flooded parts of lake but is replaced by glaber in main portion.
" glaber	Very common & large. Feeding on Potamogeton.
" contortus	Two dead specimens only.
Valvata cristata	In abundance & large.
Acicula lineata	Fairly common in Shell pockets.
Pisidium pusillum	Common.
" obtusale	Fairly common.
" ~~nitidum~~	" "
" gassianum	Rarer than above.

Verified by Charles Oldham.

Pisidium nitidum
" pusillum
" pulchellum
" obtusale
" Lilljeborgii
" hibernicum

[Ver. by A.W. 5.26.3.16]

Dunlewy Lough
28th Sept. 1905.

Limax arborum	Common in Dunlewy House woods.
Agriolimax agrestis	Common.

Dunlewy continued.

Agriolimax laevis.	Common on Lough Shores.
Milax sowerbyi.	Common around Lough.
Vitrea crystallina.	All common in woods of Dunlewy House.
" pura.	
" radiatula.	
" nitidula.	
" cellaria.	
" alliaria.	
Zonitoides excavatus.	a few specimens in Dunlewy Wood.
Pyramidula rotundata.	common.
Sphyradium edentulum.	common in wood & under stones below county road.
Punctum pygmaeum.	One specimen taken alive by G.W.C. on shore of Lough
Arion ater	all common in wood.
" hortensis	
" fasciatus	
Hygromia hispida.	common in wood.
Jaminia cylindracea.	common.
Clausilia bidentata	Common.
Balea perversa.	common in woods.
Vertigo pygmaea.	Under stones below Crigal.
Anceylus flavistilis.	Plentiful, but young, in Lough.
Limnaea peregra	Both in Lough.
" truncatula	
Carychium minimum	Shores of Lough.
Planorbis spirorbis	In shallow pools around N.E. side of Lough.
Pisidium pusillum	common.

Dunlewy continued.

Pisidium nitidum	Common in Lough below Dunlewy House. Ver. by C. Oldham.
" subtruncatum	Common. = P. casertanum. P. personatum. P. lilljeborgi. Ver. by A.W.S. 26-3-16

Horn Head, Falcarragh & Sessiagh Lough.

1st & 3rd Oct, 29th Sept., 4th Oct 1905.

Falcarragh

29th Sept. 1905.

agriolimax agrestis	Common
" caris.	Fairly common
Vitrina pellucida.	In sand dunes.
Vitrea alliaria.	a few specimens on sand dunes.
Euconulus fulvus.	a few specimens.
arion ater	Common
" hortensis.	Common.
Pyramidula rotundata.	Common.
Helicella itala.	} abundant.
" barbara.	
Vallonia pulchella.	Common in shell pockets.
Helix nemoralis.	Common
" aspersa.	Very common.
Cochlicopa lubrica	Common
Jaminia muscorum	Shell pockets.
" cylindracea.	Common.
Vertigo antivertigo	Under stones
" angustior.	Shell pockets
" pygmaea.	Under stones with antivertigo.
Clausilia bidentata	One young with above.
Carychium minimum.	a few
Limnaea truncatula	In damp spots.

Horn Head

1st & 3rd Oct 1905.

Limax arborum	Common in rubbish around Martello Tower.
agriolimax agrestis	Common.
Vitrea cellaria.	Martello Tower, a few only.
" alliaria.	Common with above.
Punctum pygmaeum	Shell pockets.
Sphyradium edentulum	Very common under stones by road side to Tower.
Pyramidula rotundata	Common.
Helicella itala	abundant.
" caperata.	a large colony around old circus ring opposite Dunfanaghy Br.
" barbara.	abundant.
Helix nemoralis.	Very common. a much weathered but extremely heavy type is to be found alive on Tramore dunes.
" aspersa.	Common.
Cochlicopa lubrica.	Common
Jaminia cylindracea	Common. Very large & very thin shells.
" muscorum.	Shell pockets.
Balea perversa.	In abundance with well formed lips in mortar on Martello Tower.
Clausilia bidentata	Frequent.
Vitrina pellucida	Common in dunes.
Zonitoides nitidus	Very common near Dunfanaghy Bridge in small marsh.
Euconulus fulvus	Common
Vallonia pulchella	Common near lime kiln near Bridge. (prob. excentrica MK)
" costata.	Very common with above. Fine specimens.
Vertigo antivertigo	Alive in marsh near bridge. common.
" pygmaea.	With above but not so common.

Horn Head continued.

Vertigo substriata.	Shell pockets
" pusilla.	Shell pockets
" angustior.	Shell pockets.
Succinea elegans.	Common in marsh near bridge.
Limnaea peregra.	Very fine specimens in marsh.
Carychium minimum	Common in Shell pockets.
Acicula lineata.	Common in Shell pockets.

Sessiagh Lough & district.
4th Oct 1905.

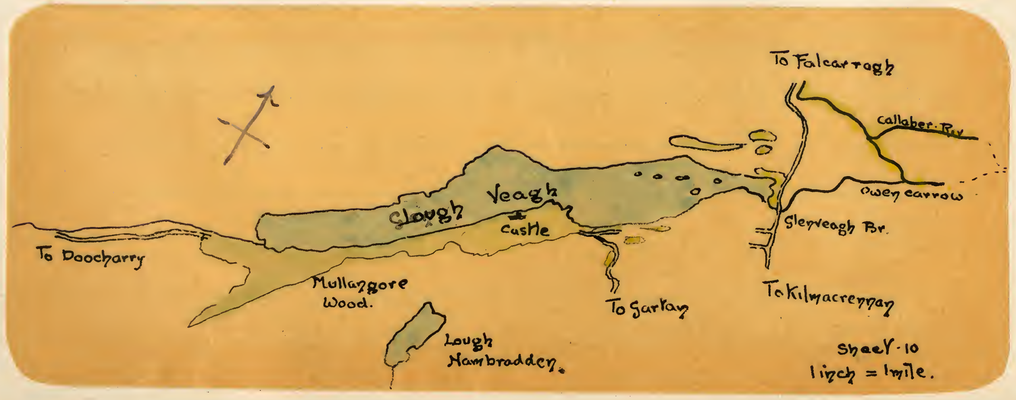
Limax arborum.	On shores of lake.
Agriolimax agrestis	Common.
" laevis.	Frequent.
Vitrina pellucida.	Common.
Vitrea alliaria	Common.
" radiatula	a few specimens.
Zonitoides nitidus.	Very common on shore of Sessiagh Lough near road.
Euconulus fulvus.	Common.
Arion ater.	Common
" hortensis.	a few.
" intermedius	a few specimens only along cliffs to West of lake.
Pyramidula rotundata.	Common.
Helicella itala.	abundant on shore
" barbara	near Rockhill.
Hyspnomia hispida.	One specimen with A. minimus in nettles.

Primary Limestone

Sessiagh Lough continued.

Helix nemoralis.	Plentiful but young.
Cochlicopa lubrica.	Common
Jaminia cylindracea.	Common
Vertigo antivertigo	Very common
" pygmaea.	Common.
Clausilia bidentata	a few only.
Succinia elegans.	Abundant on shores of lake.
Limnaea peregra.	Common
" truncatula.	Common
Planorbis glabra.	a few in lake.
Valvata cristata	Plentiful in outlet of Kill Lough.
" piscinalis	One young in Sessiagh Lough.
Bithinia pusilla	Outlet of Kill Lough. [Ver. by A.W.S. 26-3-16]

Glenveagh
30th Sept. 1905.



Glenveagh continued.

Limax maximus	a few in Mullaigore Wood.
" arborum.	common.
agriolimax agrestis.	common.
" laevis.	a few.
Milax sowerbyi.	Rare only two seen.
Vitrina pellucida	common
Vitrea crystallina.	Not at all common.
" pura.	Very common.
" radiatula	Frequent.
" nitidula	common
" alliaria.	common.
Zonitoides excavatus	One var. viridula in wood.
Euconulus fulvus.	Fairly common.
arion ater.	common. Very pale var.
" hortensis.	common.
" subfuscus.	abundant. Mostly young.
Sphyradium edentulum	In woods.
Pyramidula rotundata	common.
Helix nemoralis.	a very fragile variety living in moss under trees.
Hygromia fusca.	Very common. Mostly young
Acanthinula lamellata.	One fine specimen in Mullaigore wood.
Cochlicopa lubrica.	common.
Jaminia anglica.	Fairly common on moss.
" cylindracea.	common.
Balea perversa.	common
Pupilla bidentata	common.

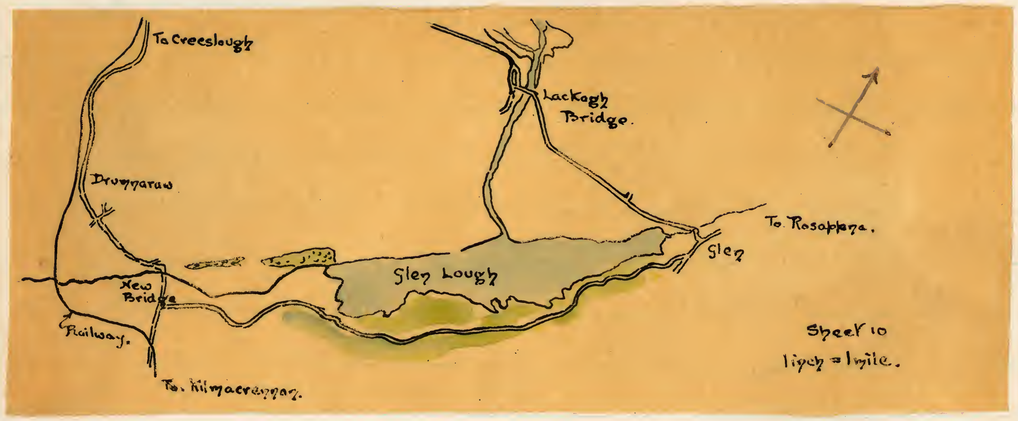
Glenveagh continued.

Carychium minimum	a few seen.
Limnaea truncatula	One specimen on shore of Lake.
" peregra.	common.

Glen Lough 5th Oct 1905.

Limax arborum.	Plentiful.
agriolimax agrestis	common.
" laevis.	Frequent.
Vitrina pellucida.	common.
Vitrea crystallina.	Rare.
" pura.	common.
" radiatula.	a few.
" nitidula.	common.
" alliaria.	common. One specimen of var viridula.
Zonitoides nitidus.	a few only.
arion ater.	common.
Pyramidula rotundata.	common.
Jaminia cylindracea	Very common.
Helix nemoralis.	One specimen like those from Glenveagh
Vertigo antivertigo	All three under stones by roadside north of New bridge.
" substriata	
" pygmaea.	

Glen Lough continued.



Portstewart, Co. Derry, first recorded for Ireland, 1905. See p. 15

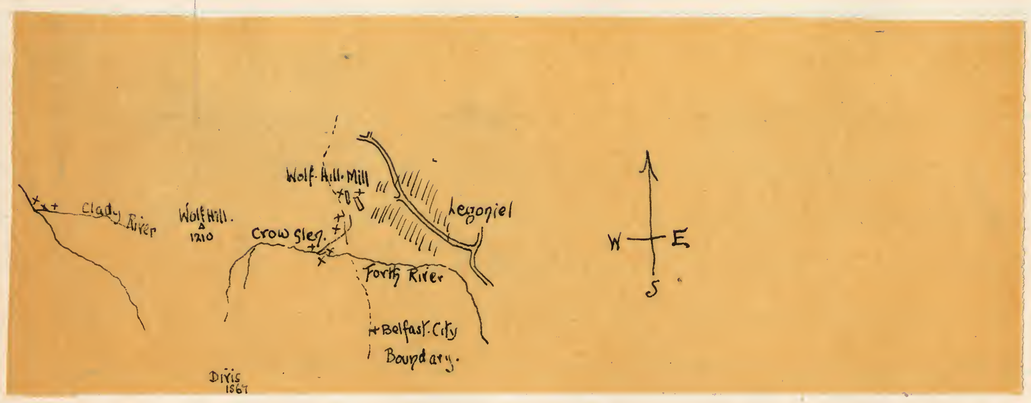
Legoniel, Wolf Hill & Crow Glen.
Belfast Co, Antrim. 7th Jan. 1906.

Limax maximus.	One very young above Wolf Hill Mill.
Agriolimax agrestis.	Common.
" lævis.	Common at Wolf Hill.
Vitrina pellucida.	Frequent, dead.
Vitrea crystallina	Common & very fine specimens.
" cellaria	Common.
" nitidula	a few at Wolf Hill, dead.
" pura	Common & large.
Euconulus fulvus	Wolf Hill.
Arion ater.	Common, young.
" subfuscus	Crow glen.
" hortensis	Crow glen.
" fasciatus	Common in both localities.
Pyramidula rotundata.	Common. One white spec. at Wolf Hill.
Hygromia hispida	Common. a few pure white specimens.
Helix nemoralis.	Common in ~~Eno~~ Crow Glen.
Cochlicopa lubrica.	Crow glen & Wolf Hill.
Jaminia cylindracea.	Common & large.
Vertigo	One young shell at Wolf Hill.
Balsilia bidentata.	Common.
Ancylus fluviatilis.	Crow glen.

Trans & Cretacean

Crow Glen continued.

Limnæa peregr.	Common at Wolf Hill & Crow Glen.
" truncatula.	Wolf Hill.
Pisidium pusillum ✓	[Ver. by G.W.S. 1-4-'16]
" nitidum	
" ~~casertanum~~	
" subtruncatum	



Magheramorne & Glyn. Co Antrim.
G.W.S., J.H. Milne & George Donaldson
15th Jan. 1906.

~~Magheramorne continued.~~

Cretaceous

Limax arborum.	a young specimen on New Quarry Tip.
Agriolimax agrestis.	Common
" lævis.	Near Glyn.
Vitrina pellucida.	On New Tip.
Vitrea crystallina.	New Tip & at Waterfall.
" cellaria.	Common on New Tip. Dead shells very large. animals blue.
" nitidula.	Frequent.
" pura.	Waterfall, rare.
Euconulus fulvus.	" " " .
Arion ater.	a few young.
" subfuscus.	Railway opposite Old Tip.
" hortensis.	Common.
" fasciatus.	Railway bank.
Pyramidula rotundata.	Common.
Helicella virgata.	a large colony was found on the railway bank opposite the old quarry tip; it contained many varieties & most of the shells were inclined to be high spired.
" caperata.	With above & also in New quarry.
Helix aspersa.	Young on New Tip.
" nemoralis.	Common.
Cochlicopa lubrica.	Common.
Succinea putris.	Common.
Balea perversa.	One dead shell at Waterfall.
Clausilia bidentata	Common.

Magheramourn & Glyn continued.

Carychium minimum	Common.
Limnæa truncatula	New quarry & near Glyn.
Aplecta hyprorum	Common near Glyn.
Paludestrina ventrosa.	Fairly common at Glyn.
Pisidium ~~pusill~~	Common near Glyn.
Casertanum	[Ver. by A.W.S. 1-4-16.]
" personatum	

Verner's Bridge, Blackwater & L. Neagh.

22nd Jan. 1916.

Co. Tyrone & Armagh.

Trace of Coeur

Co. Tyrone. Verner's Bridge continued.

Agriolimax agrestis	Canal Bridge, Verner's Bridge & dead on shore of L. Neagh.
Vitrina pellucida.	Fine specimens on canal bridge.
Vitrea crystallina.	Canal Bridge & Verner's Bridge, rare.
" cellaria.	Canal Bridge, young & dead shells.
" alliaria.	One specimen only, on Canal Bridge.
" nitidula.	A few on Canal Bridge.
" pura.	In moss on Roadside near Verner's Bridge.
Arion ater	Common
" subfuscus	Canal Bridge
" hortensis	Canal & Verner's Bridge.
" fasciatus	Verner's Bridge.
Pyramidula rotundata.	Common.
Hygromia hispida.	Young on Canal Bridge & in rejectamenta from L. Neagh.
Helix nemoralis.	Canal Bridge, Common.
Codbicopa lubrica.	A few dead, only.
Pupa cylindracea.	Verner's Bridge, common.
Balea perversa.	Common in mortar on Verner's Bridge.
Clausilia bidentata	Rare, Canal & Verner's Bridge.
Succinea putris	L. Neagh, rejectamenta.
" elegans	" " "
Limnæa peregra	Drains running into Blackwater & L. Neagh, Var. lacustris.
" palustris	" " " "
" truncatula	One in pool near L. Neagh.
" stagnalis	L. Neagh rejectamenta.
Planorbis albus	Canal & L. Neagh.
" carinatus	Blackwater, Coalisland Canal, and L. Neagh.

Tyrone.	Verner's Bridge, continued.
Physa fontinalis.	Blackwater drains & very common in Canal.
Paludestrina jenkensi.	In squeids, dead, on the shores of L. Neagh, in Washing Bay.
Bythinia tentaculata.	Blackwater drains, Canal & L. Neagh.
Valvata piscinalis.	L. Neagh, dead.
" cristata.	Blackwater drains, Common.
Sphaerium corneum.	L. Neagh rejectamenta & Blackwater drains.
Pisidium amnicum.	" " .
" subtruncatum.	" " .
" pusillum.	" " .

P. amnicum
P. casertanum
P. nitidum
P. nitidum
P. subtruncatum
P. tellipatrji
P. fallesicum

{Ver. by G.O.S. 1.4.16.}

County Armagh.

Limax arborum.	All collected at the west or Armagh end of Verner's Bridge.
Agriolimax agrestis.	
Vitrina pellucida.	
Vitrea cellaria.	
" alliaria.	
" nitidula.	
" crystallina.	
Arion ater.	
" subfuscus.	
Pyramidula rotundata.	
Hyggronia hispida.	
Helix nemoralis	
Balea perversa	
Clausilia bidentata	
Succinea putris	Very fine, large & deep coloured.

Comber & Newtownards
5th Feb & 27th Jan. 1906.
& 25th Sept. 1904.

Co Down.

Barnsfield Tram
Footpath is old Road

Limax maximus.	Mouth of Comber River near Rough Island. 1904.
" arborum.	In quarry below Scrabo. 1906.
Agriolimax agrestis.	Comber & Newtownards, common.
" laevis	Newtownards, common. Comber River. 1906.
Vitrina pellucida.	Comber & Newtownards, common.
Vitrea cellaria.	Comber, common. Scrabo. 1906.
" alliaria.	Comber. 1904. ~~Scrabo. 1906.~~ Newtownards. 1904.
" nitidula.	Comber & Newtownards. 1906.
" crystallina	Comber & Newtownards. 1906.

Comber & Newtownards continued.

Vitrea radiatula.	Near mouth of Comber river. 1904.
" pura.	Comber & Scrabo. 1906.
Euconulus fulvus.	Newtownards, 1906.
Arion ater.	Comber & Newtownards, common.
" subfuscus	Comber & Newtownards. 1906.
" hortensis	Comber, common. Newtownards. 1906.
" fasciatus.	Comber & Newtownards. 1906.
Pyramidula rotundata	Comber, common. Newtownards. 1906.
Hygromia hispida	Comber, common. Newtownards. 1906.
Vallonia excentrica.	On dyke at Newtownards. 1904.
Helix aspersa.	Comber & Newtownards. 1904
" nemoralis.	Comber, common.
Cochlicopa lubrica.	Comber, common.
Pupa cylindracea.	Comber & Newtownards. 1904
" muscorum.	One specimen on dyke at Newtownards. 1904.
Clausilia bidentata.	Comber & Newtownards. 1904-06.
Succinea ~~putris~~.	Comber. 1904. Newtownards. 1906. S. elegans Comber [Ver. by G.W.S. 10-4-16]
" elegans.	Comber. 1906.
Carychium minimum.	Comber & Newtownards. 1906.
Physa fontinalis.	Comber estuary. 1904.
Anacylus fluviatilis.	Comber river. 1906.
Acrolocus lacustris.	Comber river. 1906.
Limnaea peregra.	Comber & Newtownards, common.
" palustris.	Comber, common. Newtownards. 1906. One specimen from pond near Comber station measures, 22½ × 10 m.m.
" truncatula.	Comber & Newtownards. 1906.

Also on 5-2-06 from Newtownards.
P. cantianum
P. nitidum
P. personatum
P. milium
P. subtruncatum
[Ver. by G.W.S. 10-4-16]

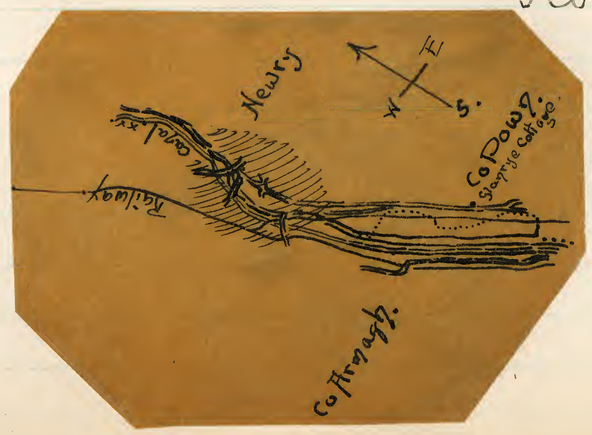
Also on 5-2-06 from Comber
Pisidium cantianum
" nitidum
" personatum
" subtruncatum
" obtusale.

Comber & Newtownards, continued.

Planorbis albus.	Comber, common. Kiltonga Pond. 1906.
" glaber.	~~A~~ The in Kiltonga Pond, Newtownards. 1906.
" crista.	Kiltonga pond, common, 1906. One near Comber. 1906.
" spirorbis.	Comber & Newtownards. 1906. & 1904.
" contortus.	Comber, common. Kiltonga, very large. 1906.
Physa fontinalis.	Comber. 1906.
Aplecta hypnorum.	Comber & Kiltonga. 1906.
Paludestrina stagnalis.	Comber & Newtownards. 1904.
(V. vivipara)	(I could see no trace of V. vivipara in these localities.)
Valvata piscinalis.	Comber, common.
Sphaerium corneum.	Comber, common. Newtownards. 1906.
Pisidium pusillum ✓	
" subtruncatum ✓	Comber & Newtownards. 1904. C. Oldham.
" gassianum ✓	Comber & Newtownards. 1904. C. Oldham.

Verified by G.W.S. 1916.
See Pisidium recorded vol. 1. p. 7.

Newry, Cos. Armagh & Down.
Feb 12th 1906.



Feb 12. 1906.

Newry continued.

Co Armagh.

Agriolimax agrestis.	All under logs on bank of canal above Barrack's Lock.
Vitrina pellucida.	
Vitrea crystallina.	
" cellaria.	
Euconulus fulvus.	
Arion ater	
" subfuscus	
" hortensis.	
Pyramidula rotundata.	
Pupa cylindracea.	
Clausilia bidentata.	
Limnæa peregra	All in canal above Barracks.
" palustris	
Physa fontinalis.	
Planorbis carinatus.	
Bythinia tentaculata.	
Sphærium corneum.	
Pisidium pusillum.	

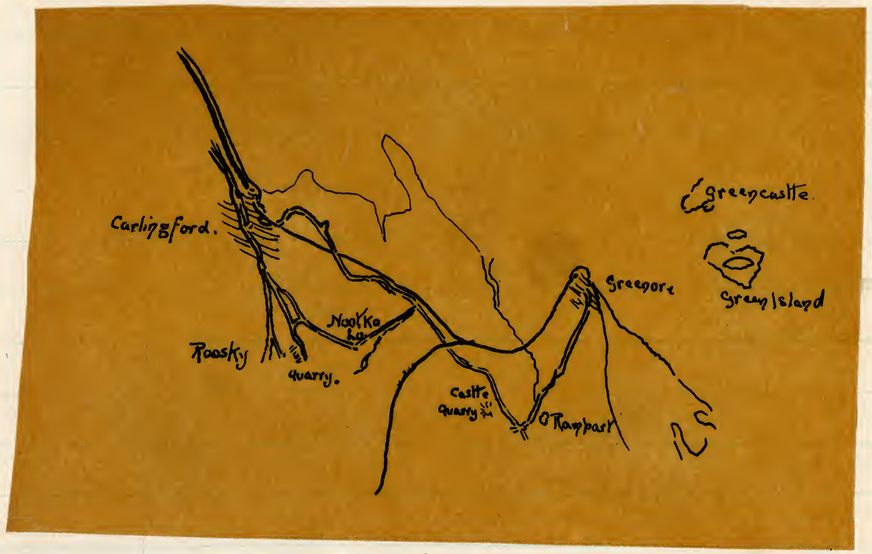
Bd or JMM.

Co Down.

Hygromia rufescens.	On road to Warrenpoint.
Limnæa peregra.	+ var. Baissii. In ditch between road + railway near Glenrye Att.
" palustris.	
Paludestrina jenkinsi.	

Carlingford + Greenore. Co Louth

Feb 12th + 13th 1906.



Carlingford

Agriolimax agrestis.	Common in both localities.
Milax sowerbyi.	One specimen at Carlingford Castle.
" gagates.	Carlingford Castle + Quarries.
Vitrina pellucida.	Common at Carlingford.
Vitrea cellaria	" " "
" nitidula.	" " "
" crystallina.	" " "
Pyramidula rotundata.	" " "
Hygromia hispida	Common at Quarries near Rooskey.
" rufescens.	Common.
Helicella virgata	Greenore Hotel + Quarries at Rampart.
" barbara.	Quarries near Rooskey.
" capreata.	Quarry at Rampart.
Helix aspersa.	Common.

Carlingford & Greenore, continued.

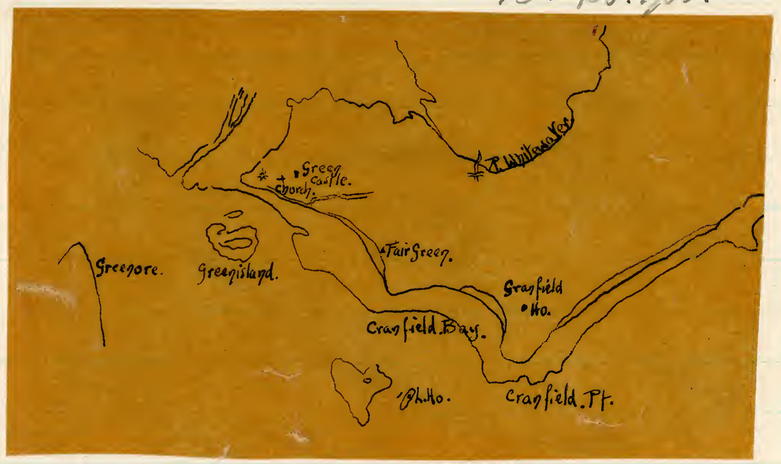
Helix nemoralis	Common.
arion ater	Carlingford Castle & Quarries near Rookery
" subfuscus	" " " "
" hortensis	" " " "
" fascicolus.	Quarries near Rookery.
Pupa cylindracea	Common.
" muscorum.	Quarries near Rookery.
Vertigo pygmaea.	" " "
Clausilia bidentata.	Common.
Cochlicopa lubrica.	Common.
Succinea pfeifferi.	Quarries near Rookery.
Limnaea peregra.	Common.
" palustris	Nootka Lodge marsh & Rampart.
" truncatula.	Quarries near Rookery.
Planorbis spirorbis.	Rampart marsh & Nootka Lodge.
" crista.	" " " "
Valvata cristata	" " " "
Aplecta hyprorum.	" " " "
Cisidium pusillum.	Common.

Cisidium pusillum
[rev. A.W.S. 8.10.16]
from near Carlingford
& Rampart.

(46)
(47)

Cranfield Point, Co Down.

13th Feb. 1896.



Mostly Silurian
Gettle Carboniferous

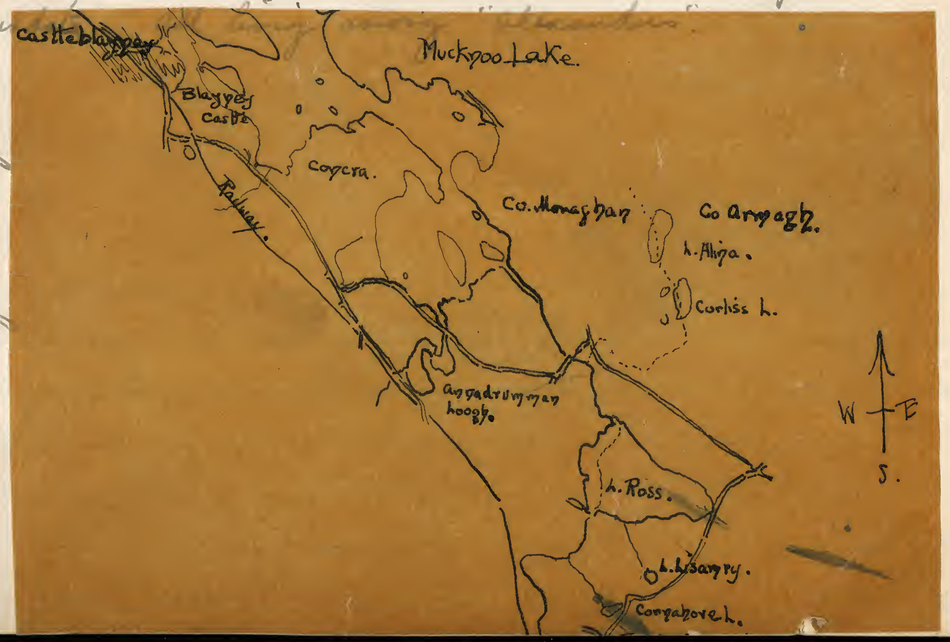
Limax maximus.	Green Castle.
agriolimax agrestis.	Common.
Milax gagates.	Fair Green, a few only, & Green Castle.
Vitrina pellucida.	Common.
Vitrea cellaria.	Common.
" alliaria	Green Castle & Cranfield Pt, with var. viridula.
" nitidula	a few near Cranfield Pt.
" crystallina	Cranfield Pt.
Pyramidula rotundata.	Common
Hyphonia hispida	Common.
Helicella virgata.	From Greencastle Pier to Cranfield Pt, common. 1st record for Co Down.
" barbara.	Common.
Vallonia costata	Common at Cranfield Pt.
"	
Helix nemoralis	Rare.
" aspersa	Common.

Arion ater	Common.
" hortensis	
" fasciatus.	
Cochlicopa lubrica.	Common.
Pupa cylindracea	"
" muscorum	"
Clausilia bidentata	Branfield Pt.
Vertigo pygmaea	" " .
Limnaea peregra	Very Rare.

List of species taken in Banqueting Hall of Green Castle.
N.B. This is on 1st Floor.

Arion ater, A. fasciatus. L. maximus. Agriolimax agrestis. Milax gagates. Nitea cellaria + var. viridula. Pupa cylindracea. Helix rotu

Castleblayney & L. Ross.
Cos. Armagh & Monaghan



Castle Blayney & Loughs Muckroo & Ross
Continued.

Co Monaghan. 14th Feb. 1906

Limax maximus.	One specimen at Annadrumman.
Agriolimax agrestis.	Common.
" lævis.	Blayney Castle.
Vitrina pellucida.	Blayney Castle.
" alliaria.	& var. viridula. Blayney Castle.
" nitidula.	Blayney Castle.
" crystallina	common.
" pura.	Blayney Castle.
" radiatula.	Annadrumman. One specimen only.
" nitida.	A few on shore of Muckroo Lake, Blayney Castle.
Euconulus fulvus.	Blayney Castle.
Arion ater.	" " & Annadrumman.
" hortensis.	" " "
" subfuscus.	" " "
" fasciatus.	" " "
Cryptovidula rotundata.	Common.
Hygromia hispida.	Blayney Castle & Annadrumman.
Cochlicopa lubrica.	Blayney Castle.
Succinea putris	Blayney Castle. S. pfeifferi
Pupa cylindracea.	Very rare, one specimen at Annadrumman.
Limnaea peregra.	Muckroo Lake + Annadrumman.
" palustris.	" " "
Planorbis contortus.	" " "
" carinatus.	Muckroo Lake.

All Silurian

Castleblayney - continued.

Planorbis spirorbis.	Annadrumman.
Physa fontinalis.	Annadrumman & Muckroo Lake.
Valvata cristata.	Muckroo Lake.
Bythinia tentaculata.	Muckroo Lake.
Pisidium pusillum.	Muckroo Lake & Annadrumman.

(49)

also P. tibiranum - Det!
P. casertanum [Ver. by G.W.S. 22/11/34] Muckroo Lake
[Ver. by G.W.S. 6-4-16]
P. casertanum & P. personatum, Annadrumman Lough!
[Ver. G.W.S. 8-12-16]

? should be 49A!

14/7/06.

Co Armagh.

Agriolimax agrestis.	Shore of L. Ross.
" laevis.	" " "
Vitrea nitidula	" " "
Pyramidula rotundata.	" " "
Hygromia hispida.	" " "
Bythinia tentaculata.	L. Ross.
Planorbis carinatus.	" "
" contortus	" " & Cornahove Lough.
Limnaea peregra	" " " "
" palustris.	" " " "
Sphaerium corneum.	L. Ross.
Physa fontinalis	" "
Pisidium pusillum	Cornahove Lough. (50)
"	" "

Portrush. Feb 27th 1906.

Co Derry.

Euconulus fulvus.	One dead shell near Glenmanus.
Arion ater.	On bank of Glenmanus stream.
Helicella itala.	Sandhills near Golf Hotel. Dead shells only.
" barbara.	" " " "
Hygromia hispida.	Glenmanus.
Helix nemoralis.	Sandhills.
Limnaea peregra.	Glenmanus stream. L. ovata.
" palustris.	Very large with above.
" truncatula.	Glenmanus.
Pisidium pusillum.	Glenmanus. — mostly P. personatum but also one pc. P. casertanum. [Ver. by G.W.S. 8-12-16] (51)

Co Antrim.

Agriolimax agrestis.	Portrush sandhills, near White Rocks.
Vitrina pellucida.	" " " " "
Vitrea crystallina	" " " " "
" nitidula.	" " " " "
Hygromia hispida.	" " " " "
Helicella itala.	" "
" barbara.	" "
Helix nemoralis.	" "
" aspersa.	" "
Cochlicopa lubrica.	" "
Limnaea truncatula.	In sand hill hollow about half way to White Rocks.
Pisidium pusillum.	Very fine in stream below W. Young's House, White Rocks. = P. casertanum [Ver. by G.W.S. 8-12-16]

(52)

Cleveleys, Lancashire. 14 July 1906

Helicella virgata " caperata Helix nemoralis agriolimax agrestis	all common on the clay banks facing the sea, between Norbrick & Cleveleys.

Næsflaten, Luldalsvand, Norway.

Limax cinerio-niger.	Common, young, on flat ground east of Næs Hotel.
agriolimax lævis	Fairly common in the Valley.
arion ater	Common. 17th July. 1906

Kjendals, Loenvand. 21st July. 1906

agriolimax agrestis " lævis Euconulus fulvus Vitrea radiatula arion ater. " circumscriptus clausilia bidentata	all in scrub on north side of the valley about 1 mile above landing place. + 1/2 mile from foot of Loen glacier.

Eikesdal.

arion ater	common

Mindesunde. 22nd July.

agriolimax agrestis arion ater " fasciatus. agrio. lævis	common on lake shore. (Stagnant)

Romsdalen. July & August. 1906.

Limax arborum	Common in Wood above Hotel Holgenæs.
" cinerio niger	"
" tenellus.	"
agriolimax agrestis	"
" lævis.	Rarer than the preceding.
Vitrea radiatula & petronella?	Fairly common.
Euconulus fulvus.	a large number in a ruined cottage at "the farm"
Vitrina pellucida.	a few dead shells.
Pyramidula rotundata	Very scarce.
" ruderata.	Also rare.
arion ater	Very abundant, large + all jet black.
" subfuscus.	a few young.
" fasciatus	Rare.
Helicigona arbustorum.	Fairly abundant on the talus below Mjelva Fjeld.
Helix hortensis	One dead, broken shell on talus, ¼ mile below Holgenæs H.
Balea perversa	Two specimens in the wood.
Clausilia bidentata	Common.
Vertigo ~~pygmæa~~ alpestris [C.U.S. 1916]	One specimen (Kennard says it is V. parcedentata = Lovenensis)
" pusilla	One specimen
Sphyradium edentulum.	Rare.
Limnæa truncatula	Very common near Foyge Bridge.
" peregra	a few in small pond opposite Romsdal Hotel.
Pisidium nitidum? casertanum	Common with the last in muddy stream
" pulchellum	" " " " " " "

Mainly juvenile

9th Sept. 1905.

River Barrow & its shores. Co. Queens Co.

Agriolimax agrestis	common
" lævis.	Lee Castle common.
Vitrea cellaria	a few.
" nitidula	Rare, Lee Castle.
" crystallina	a few.
Zonitoides nitidus	Common at Lee Castle.
Euconulus fulvus.	a few only.
Arion ater	Common.
Pyramidula rotundata	Common.
" rupestris	at the bridge over River Barrow near Monasterevan
Helicella virgata	Lee Castle, common.
" itala	Rarer than virgata.
" caperata	Common. Lee Castle.
" barbara.	On canal bank between Lee Castle & Portarlington.
Hygromia rufescens	Common.
Vallonia excentrica	Common at Lee Castle.
"	
Helix aspersa	Lee Castle
Cochlicopa lubrica.	Common.
Jaminia anglica.	Very rare, a few on canal bank near Portarlington.
" cylindracea.	Common
Vertigo pygmæa	Lee Castle
" antivertigo	Lee Castle
Clausilia bidentata	Common
Succinea pfeifferi.	Common
Carychium minimum.	Common

All Carinifera

River Barrow continued

Limnæa peregra.	All common in Canal & River Barrow.
" palustris.	
" stagnalis.	
" truncatula.	
Planorbis carinatus	Common.
" contortus	Common.
" umbilicatus	Some fine specimens in a pool near bridge over Barrow.
Physa fontinalis.	Common.
Bythinia tentaculata.	Very common.
Valvata cristata.	also common.
" piscinalis.	a few.
Sphærium corneum.	Common.
Pisidium nitidum	(54) All from Co. Kildare (See p. 53.) Queen's Co. specimen missing.
" pusillum	
" subtruncatum	[Ver. by G.W.S. 8-12-16]
" obtusale	

River Barrow & shores. King's County. 9th Sept. 1905.

Agriolimax agrestis	Common.
Balea perversa.	One dead on an old willow.
Limnæa peregr.	Very common.
" palustris.	
Physa fontinalis.	Common
Planorbis carinatus	Common
" umbilicatus.	
" contortus	Common.
Bythinia tentaculata	"
Valvata piscinalis.	"
Sphærium corneum	"

Monasteroven & Riv. Barrow to Portarlington. 9th Sept. 1910.

Agriolimax agrestis	Vitrea lucida. one specimen dead with H. fulvus. Specimen cabinet. Sp. det. 29.9.10
" laevis.	
Vitrea cellaria	
" crystallina	Canal bank near Monasteroven. Common.
Laconulus fulvus.	
Arion ater.	
Pyramidula rotundata	?
" rupestris	a bridge over Barrow, dividing Kildare from Q.C.
Helicella virgata	
" itala	
" capersata	all very common on bank at Monasteroven.
" barbara.	
Vallonia costata	
" pulchella	✓ Correct! A.W.S. 1924
"	
Hygromia rufescens	Common
Helix aspersa.	a few.
" hortensis.	Two specimens in lane leading from canal.
Cochlicopa lubrica.	Common
Pupa cylindracea	Common
" muscorum	Canal bank, a few.
"	
Vertigo pygmaea	a few.
Clausilia bidentata	Common.
Cecilioides acicula	about 12 specimens under small stones on canal bank.
Carychium minimum	Common.

Monasteroven continued.

Limnaea peregra	
" palustris	
" stagnalis	all very common.
" truncatula	
Succinea pfeifferi	
"	
Physa fontinalis	common.
Planorbis fontanus	One alive & one dead in canal & at bridge.
" carinatus	Common.
" albus.	Dead only.
" contortus	Common.
Bythinia tentaculata.	Very Common
Valvata cristata	Both common
" piscinalis	
Sphaerium corneum	common.
" lacustre.	a few dead in Canal.
Pisidium pusillum	Common. [all ver. by A.W.S. 8-4-16.]
" nitidum	
" subtruncatum	
" obtusale	
Bythinia leachii.	a few specimens in Canal. (R. Veler) NB. This is the first recorded locality for leachii in Ireland, but J. R. Hardy got it in this canal about 30 years ago, but did not publish his find.
Planorbis umbilicatus	common in Canal. Drain

(55)

10th Sept 1906.

Shore of Lough Corrib at Kilbeg. N.E. Galway.

Limax arborum.	a few in Wood above pier.
Agriolimax agrestis.	common.
" laevis.	On shore at pier.
Milax sowerbyi.	a few of each on shore.
" gagates.	
Vitrea crystallina.	In wood common.
" cellaria	common
" alliaria	Rare.
" nitidula.	a few only.
" pura	In wood, a few above pier.
" radiatula	Rare.
Euconulus fulvus	common.
Zonitoides nitidus	common a shore.
Arion ater.	all frequent by roadside.
" hortensis.	
" fasciatus.	
Sphyradium edentulum.	In moss shakings.
Pyramidula rupestris	Both very common.
" rotundata	
Helicella virgata	all fairly abundant.
" caperata	
" itala	
Cuncta pygmaea.	Moss shakings.
Hygromia hispida	common.
" rufescens	
" fusca.	On trees in wood north of pier.

Carboniferous

Kilbeg continued.

Acanthinula aculeata	Moss shakings in wood 2 miles north of pier.
" lamellata	
Vallonia excentrica	
"	
Helix nemoralis	common.
" aspersa.	
Cochlicopa lubrica	
Succinea minima	
Cupa anglica.	a few in Moss shakings.
" cylindracea.	Common.
Balea perversa.	Rare.
Clausilia bidentata.	Common
Vertigo pygmaea.	common
" substriata.	Rare. moss shakings.
" antivertigo.	common
Physa fontinalis.	common.
Limnaea peregra	all common in L. Corrib.
" palustris	
" stagnalis	
" truncatula	
Succinea pfeifferi.	common.
Planorbis albus	Rare.
" spirorbis	common
" contortus	common.
"	common.
Ancylus fluviatilis	Fairly common.

Kilbeg continued

Valvata cristata	All common in L. Corrib
" piscinalis	
Bythinia tentaculata	
Sphaerium corneum.	
Cisidium fontinale.	= P. subtruncatum
" pusillum.	Verified by Charles Oldham
" nitidum.	
Acme lineata.	In moss shakings.

(57) all correct! A.W.S. 8-12-16.

Ballindooley & Clare-Galway - 13th Sept 56
N.E. Galway.

Limax maximus	Very common under Coffin boards at Clare-Galway abbey.
" flavus.	
" arborum.	
Agriolimax agrestis	Ballindooley common.
" laevis.	
Vitrea alliaria	Common
" cellaria	
" crystallina.	
Euconulus fulvus	Ballindooley
Arion ater	Common.
" subfuscus	Clare-Galway.
" intermedius	Clare-Galway common.
" hortensis.	Common.
Helicella virgata	Common on roadsides.
" capsata.	One (Wight) at Ballindooley.

Carbonifera

Ballindooley & Clare-Galway continued.

Helicella itala	Fairly abundant on roadsides.
Pyramidula rupestris	All very common.
" rotundata.	
Hygromia hispida	
Vallonia	
Helix nemoralis.	Clare-Galway abbey.
" aspersa.	common.
Cochlicopa lubrica.	All common
Carychium minimum.	
Pupa cylindracea	
Vertigo antivertigo.	Ballindooley.
Balea perversa.	Common at Clare-Galway.
Clausilia bidentata	Common.
Succinea putris.	Clare-Galway, a few near river.
" pfeifferi.	Common.
Physa fontinalis.	Common.
Limnaea peregra	All common
" palustris	
" truncatula	
" stagnalis.	
Planorbis albus	Common.
" contortus	
" spirorbis	
" umbilicatus?	Record of Charles & Glendon
Valvata cristata	Common.
" piscinalis	

Ballindoolg continued.

Sphaerium corneum. Common.
" lacustre Abundant in drain below Ballindoolg Castle.

(59)

Pisidium pauillum
" milium
" fontinal
" nitidum
" obtusale

all in lake below Ballindoolg Castle. Verified by Charles Oldham.

Marshes East of Galway Station. N.E. Galway. 17th Sept 06.

Agriolimax agrestis.
" var lilacina.
Milax gagates.
" sowerbyi.
Arion hortensis.
Vitrea cellaria.
Vitrina pellucida.
Pyramidula rupestris
" rotundata
Hyggromia rufescens
Helicella virgata
" italica.
Helix nemoralis
" aspersa.
Cupa cylindracea
Clausilia bidentata
Carychium minimum

all common on the marshy ground between railway & sea, east of station.

Ross & Moycullen. West Galway. 12th Sept. 06.

Limax maximus. In church near Station
" arborum. In wood on shore of L. Ross.
Agriolimax agrestis Common
" laevis. Common.
Vitrina pellucida. a few dead in wood.
Vitrea cellaria
" nitidula
" pura.
" alliaria
" radiatula
" crystallina
all in wood near L. Ross.
Zonitoides nitidus Common on shore of L. Ross.
Euconulus fulvus. Common.
Arion ater.
" hortensis.
" subfuscus.
all frequent. Var. succinea of a. ater was found near Ross station.
Pyramidula rupestris
rotundata.
Common.
Helicella italica In hedges at roadside.
" caperata Rare along the shore of lake. Common at Ross station.
Hyggromia fusca. a few in wood on shore of Lake.
" hispida Common
" rufescens Very common
Acanthinula aculeata On bark in wood.
" lamellata on trunks of trees in wood.
Vallonia pulchella Common near small lake below Ferrapulbegnaniva.

√ Correct! Aug. 1924.

Ross & Moycullen continued.

Helix nemoralis.	Common. In bank skin along railway bank.
" aspersa.	Common.
Cochlicopa lubrica.	Common.
Carychium minimum	Common.
Sphyradium edentulum	In wood rare.
Vertigo substriata	a few underskins near small lake.
" pygmaea	Common
" antivertigo	common.
Pupa cylindracea	Common.
" anglica	Common in wood on trees.
Balea perversa.	Rare in wood.
Succinea putris	Common.
Succinea lidentata	Common.
Phenga fontinalis	Common.
Aplecta hyprorum.	common in drains running into small lake.
Succinea pfeifferi.	common.
Limnaea peregra	all common in L. Ross.
" palustris	
" truncatula	
" stagnalis	
Planorbis albus	Common.
" glaber	One dead (Collin) in L. Ross.
" contortus	Common.
" spirorbis	common.
~~" nautileus~~	~~one dead (Collin) in L. Ross: very decorticated~~
Acme lineata	In moss shakings from wood.
Bythinia tentaculata	common

Only P. spirorbis now. P. nautileus not in Ballyquaiwch

Ross & Moycullen continued.

Valvata cristata	both common in L. Ross & small lake.
" piscinalis	
Neritina fluviatilis	common in L. Ross.
Anodonta cygnaea	one or two dead valves on shore of L. Ross.
Sphaerium corneum.	common
Pisidium pusillum	common. P. nitidum, P. pusillum, P. nitidum [Ver. by A.W.S. 9-12-16] (58)

Ballyquaiwch. W. Galway, 14th Sept. 06.

Limax arborum	common.
Agriolimax agrestis	common
Vitrea crystallina	all frequent.
" alliaria	
" radiatula	
" pura.	
Euconulus fulvus	common.
Arion ater.	Near station.
" subfuscus.	
" hortensis.	
Punctum pygmaeum.	a few only.
Sphyradium edentulum.	Rare in wood.
Pyramidula rupestris.	Near station
" rotundata	common
Hygromia fusca	about 8 in wood.
Acanthinula lamellata	Fairly common.
Helix nemoralis	Rare.
Cochlicopa lubrica.	Common.

Ballyrahinch continued.

Carychium minimum	common.
Vertigo lilljeborgi	a few in moss at North end of lake & about six under stones at other end near outlet.
" antivertigo.	common.
Cupa anglica	Common
" cylindracea	common.
Pupa perversa.	Rare, only a few.
Clausilia bidentata	common.
Succinea pfeifferi.	common.
Limnæa peregra	all common.
" palustris	
" truncatula	
Planorbis spirorbis	common
" contortus.	
Bythinia tentaculata	
Pisidium pusillum	common.
"	

(60)

Shore of Bregduff Lough Roundstone West Galway. 17th & 19th Sept. 1906

Zonitoides nitidus.	common.
Euconulus fulvus.	common.
Punctum pygmæum	very common.
Vertigo antivertigo	abundant
" pygmæa	common
" substriata	a few only.

Granite

Bregduff Lough continued.

Vertigo lilljeborgi.	a few in dead tufts of inspectamenta with other Vertigoes.
Pupa anglica.	common.
Anacylus fluviatilis	common
Limnæa peregra.	all common.
" truncatula	
" palustris.	
Planorbis albus.	common
Pisidium pusillum (1)	? P. cantenum Poli & P. personatum, Malm (2) both common. (6)
" fontinale. (3)	

Wood above North side of Doe's Bay West Galway 18.9.06.

Limax maximus	a few
" arborum.	common
Agriolimax agrestis.	common.
Vitrea radiatula	a few of each.
" nitidula	
" pura.	
" crystallina	
Arion ater	common
" hortensis	
" intermedius	a large number
" subfuscus.	both common.
" fasciatus.	
Pyramidula rotundata	common.
Cochlicopa lubrica.	

Wood above Dog's Bay.

Carychium minimum.	common.
Pupa anglica.	v. common
" cylindracea.	abundant
Balea perversa.	common.

Maureen Lough & Sand Dunes. 18.9.06
West Galway.

Limax arborum.	a few near lake
Agriolimax agrestis	common
var. lilacina.	a few on edge of lake.
Vitrea cellaria	a few only.
Helicella virgata	common on dunes.
" italica	abundant on dunes
" barbara.	abundant " "
Hygromia hispida	common
Helix nemoralis	Rare.
" aspersa.	a few.
Vertigo pygmaea	common.
" substriata	Very scarce near lake.
" antivertigo.	common.
Arion ater.	
" subfuscus.	Frequent
" hortensis.	
Pupa anglica	common
" cylindracea	common
Succinea pfeifferi.	common.

Granite.

Maureen continued.

Ancylus fluviatilis	a few. Scarce.
Limnæa peregra	Common
" palustris	
Planorbis albus	common
" crista	Rare.
" spirorbis.	common.
Valvata piscinalis	common
Limnæa truncatula	common.
Pisidium obtusale	common.
" fontinale	"
" pusillum	"

P. casertanum
P. nitidum
P. pseudosphæricum

All Pisidia on Galway trips.
Identified by Mr Charles Oldham.

Ballinaboy Bridge, West Galway 18.9.06.

Vitrea cellaria	a few.
Arion ater	common
Pyramidula rotundata	common.
Hygromia rufescens	common
Vertigo pygmaea.	a few.
Pupa anglica	one specimen.
" cylindracea.	common
Planorbis albus.	common
Bythinia tentaculata	common.
Pisidium nitidum	[Ver. by A.W.S. 9.12.16.]
" pseudosphæricum	

(63)

[Ver. by A.W.S. 8.12.16]

(62A)

Inishmacdara, West Galway. 18th Sept 06.

Vitrina pellucida	One or two alive & some dead.
Amalia gagates	a few near church.
Agriolimax agrestis	common.
" laevis.	In marsh near church.
Vitrea cellaria	common
" nitidula	a few.
Arion ater	Rare.
" subfuscus.	Rare.
" hortensis.	Frequent.
Pyramidula rotundata	common
Punctum pygmaeum	common in marsh on rocks.
Helicella itala	common
" acuta	common.
Vallonia	a few = pulchella & excentrica. G.W.S. 1924 (Mr also file Hugh Watson!)
Hygromia hispida.	common.
Helix nemoralis.	common
" aspersa.	common.
Cochlicopa lubrica.	common.
Vertigo pygmaea.	common
" substriata.	a good few in marsh.
Pupa cylindracea	common
Balea perversa.	Rare on chert walls.
Limnaea truncatula.	In marsh

Granite

Carawalla Pt, Dogs Bay. W. Galway. 19th Sept.

Agriolimax agrestis	
Milax gagates.	a few
Vitrina pellucida.	a few dead, one alive.
Agriolimax laevis.	
Vitrea cellaria	
" nitidula	Rare.
Arion ater	
" hortensis	
" subfuscus.	
Helicella itala	
" virgata	
" acuta	All the rest were common.
Hygromia hispida	
Helix nemoralis.	
" aspersa.	
Vallonia	
Cochlicopa lubrica.	
Carychium minimum	
Vertigo pygmaea	
" substriata	Rare
" antivertigo	
" angustior.	Abundant.
Pupa cylindracea	
" anglica.	Very common
Succinea pfeifferi	
Aplexta hypnorum.	Rare in pools.

Granite

Caravalla continued.

Limnaea peregra	Common in pools.
" truncatula.	

Gorteen Pt Doyle's Bay. 15th & 17th Sept.

Vitrina pellucida	a few dead.
Vitrea radiatula	common.
" pura.	Scarce.
Agriolimax laevis	Common.
" agrestis.	common.
Milax gagates.	a few.
Arion ater	Common
" hortensis	common
Sphyradium edentulum	a few in Moss shakings.
Punctum pygmaeum	Very frequent.
Pyramidula rotundata	common.
Helicella itala	Common
" virgata	Common. Doyle's Bay. Not on Point.
" barbara.	Common.
Hygromia hispida	Common.
" ~~rufescens~~	~~Common.~~ This must be an error of somebody's A.W.S. 1915.
Vallonia costata	Very scarce
" pulchella.	Common. ✓ Correct. A.W.S. 1924.
Helix nemoralis	Common.
" aspersa	common.
Acanthinula aculeata.	a few only.
Cochlicopa lubrica	Common
Carychium minimum	Common.
Balea perversa.	Frequent on stone walls.

Granite

Gorteen Pt continued.

Clausilia bidentata	Rare.
Vertigo pygmaea	common.
" substriata	Frequent
" antivertigo	common.
" ~~[illegible]~~.	
" angustior.	In abundance under stones in marshy places.
Pupa anglica	With V. angustior very common, dark & large.
" cylindracea.	Common
Succinea pfeifferi.	Common.
Physa fontinalis.	Common & very large in pools.
Limnaea peregra.	
" palustris	All common
" truncatula.	
Planorbis crista	common
" spirorbis.	Abundant.
Acicula lineata	a few in moss shakings.
Pisidium pisidium	common
" subtruncatum.	common.

P. casertanum,
P. nitidum
P. personatum,
P. milium,
P. subtruncatum

[Ver. by A.W.S. 8-12-16.]

(63)

Inishmore, Aran Islands, Clare. 11th Sept. 06

Agriolimax agrestis	common
Milax sowerbyi	Near harbour.
" gagates.	North west of harbour
Vitrina pellucida.	a few alive.
Vitrea cellaria	common.
" alliaria	common.
" crystallina	a few each.
" radiatula.	
Euconulus fulvus.	common.
Zonitoides nitidus	a few
Arion ater	common
" hortensis	common
Helicella capsata	Rare.
" virgata	Common
" itala	Common
" barbara.	common.
Pyramidula rotundata	common
" rupestris	common.
Succ. alba.	a few amongst trees below village.
Hyphonia hispida	Common
" rufescens.	common
Vallonia excentrica.	a few. = pulchella & excentrica! (one of each!) A.W.S. 1924 (both also fide Heyd & Watson)
Helix aspersa.	Common
Succ. exalbida	(Standen) one specimen.
" nemoralis.	Common. (Standen).
Cochlicopa lubrica.	Common.

Carnoniferous

Inishmore continued.

Vertigo pygmaea	Very common
" antivertigo.	~~[illegible]~~. Rare.
Pupa cylindracea	common
Clausilia bidentata	common.
Paludestrina ventrosa.	common in salt lake North of harbour
" ~~[illegible]~~ ? ~~very doubtful~~.	Only a tumid form of ventrosa. [A.W.S. 1916.]
	Drogheda + Sand Dunes at Mouth of Boyne. Co Meath 20th Sept. 06.
Agriolimax agrestis	common.
Milax sowerbyi.	a few very large.
Vitrea cellaria	common.
" lucida	common on embankment opposite cont. of viaduct.
" pura.	a few.
Arion hortensis	common
" subfuscus.	Rare
" fasciatus.	Rare.
Helicella barbara	Common
" virgata	Common
Pyramidula rotundata	common
" rupestris.	common
Vallonia excentrica	common.
Hyphonia hispida	Common. One semi-scalaiform dead in riv. bank.
" rufescens	Common
Helix nemoralis	Common
" aspersa	Common
" pisana.	Very common & Succ. alba. on coast sand-dunes.

Carboniferous

Drogheda continued.

Cochlicopa lubrica	Common.
Carychium minimum	Common.
Vertigo pygmaea	One specimen
" antivertigo	One specimen
Pupa muscorum	Very common with H. lucida.
" cylindracea.	Common.
Clausilia bidentata	Common.
Succinea putris	Some fine specimen on bank of river.
" pfeifferi.	A few dead in vegetation.
Caladestrina jenkinsi	Under viaduct.
" stagnalis.	In river.
Ohytia nitidotis	A few dead on embankment.
Limnaea truncatula	Common.
Planorbis carinatus	Rejectamenta only.
Valvata piscinalis.	

Islandmagee 26th Dec. 1906.

Bulimus obscurus	On chalk south of Hills Port near the water holes.
Vitrina pellucida.	Common crawling on snow.
Hygromia hispida	Alive common.
Vertigo pygmaea	One specn. in marsh south of Hills Port.
Helix rupestris.	Common in crevices of the chalk at Hills Port.

Cutacon

Armagh & district — Millford & Navan Fort.
13th April 1907.

Limax maximus	One at Ballygalone Bridge.
" flavus	One specimen on Millford road.
Agriolimax agrestis	Common at Ballygalone & Navan Fort
" laevis.	One on edge of small lake below Navan Fort hereafter called Navan Lough
Milax gagates	A few on Millford road with L. flavus.
Vitrina pellucida	Navan & Ballygalone, dead.
Vitrea crystallina	" "
" alliaria	Common & very large in both localities
" nitidula	1 dead at Ballygalone.
" pura	Common in moss at Ballygalone.
" radiatula	A few at Ballygalone.
Euconulus fulvus.	One at Navan Lough. R.W.
Arion ater.	Common at Navan & Ballygalone
" subfuscus	" " "
" intermedius.	Ballygalone only.
" hortensis.	" "
" fuscicolus.	Both localities.
Pyramidula rotundata	Common everywhere.
Hyalinia lucida	Common in both localities & var. lucidissima
" nitidula	On old road near nursery.
Acanthinula aculeata.	One on bluff above Navan Lough.
Vallonia excentrica.	On edge of Navan Lough.
Helicigona arbustorum.	Several dead & 1 alive in fosse of Navan Fort. Discovered here about 10 years ago by J. N. Miles.

Carbonifera
Manly

Armagh continued.

Helix aspersa.	Ballygalone & Navan.
" nemoralis.	Navan Fort. Some nice varieties.
Cochlicopa lubrica.	Ballygalone & Navan Lough.
Jaminia cylindracea.	Common.
Clausilia bidentata.	Common.
Succinea Pfeifferi.	A few dead in drain from Navan quarries.
Carychium minimum.	Ballygalone.
Acrolocus lacustris.	Ballygalone & Millford Road.
Limnaea peregra.	Common. Var. ovata.
" palustris.	Common. Ballygalone & Navan Lough.
" stagnalis.	Ballygalone & Millford Road.
" truncatula.	Navan Lough.
Planorbis albus.	Ballygalone, Millford Road & Navan quarries.
" crista.	Ballygalone, fine specimen.
" umbilicatus.	Very large in drain on Millford Road
" contortus.	½ a mile before Ballygalone Bridge.
	& common in all localities.
" fontanus	Ballygalone & Navan quarries.
Physa fontinalis.	Millford Road & Navan Lough.
Bythinia tentaculata.	Common. Very obese form.
Valvata piscinalis.	Only at Navan Lough.
" cristata	Common.
Sphaerium corneum.	Common.
Pisidium subtruncatum	✓ [G.W.S. 1916]
" pusillum.	✓

67

Bramhall, Cheshire. Dec. 1905.

Arion ater
Aquis. apestris.
Pyramidula rotundata.
Vitrina pellucida.
Vitrea nitidula.
" pura.
" alliaria.
Arion fasciatus.

} All in Robin's Lane.

Trios

Hayfield, Derbyshire. Dec. 1905.

Hygromia hispida.
Vitrea alliaria.
" nitidula
Vallonia excentrica
Limnæa pereger.
Planorbis albus.
Pisidium
~~casertanum.~~ ~~[Ver. by G.W.S. 1916]~~

Pisidium nitidum. } [Ver. by G.W.S. 1916.]
" pusillum.
" subtruncatum.

Millstone Grit.

New Malden, Surrey. Dec. 1905.

Clausilia bid.
Aplecta hyspana.

Richmond Park, Surrey. Dec. 1905.

Limnæa pereger
" palustris
" stagnalis
Planorbis albus
" vortex.
Pisidium casertanum.
" milium.
" subtruncatum.

} [Ver. by G.W.S. 1916]

Hog's Mill River, near Malden, Surrey. Dec. 1905.

Limnæa pereger
" palustris
" truncatula
Planorbis vortex
" umbilicatus
" spirorbis
" contortus
Physa fontinalis.
Valvata piscinalis.
Bythinia tentaculata
Neritina fluv.
Sphærium corneum.
Pisidium ~~pusillum~~
Casertanum [Ver. by G.W.S. 1916.]

Guildford & Shalford. Dec. 1905. Lancy.

Arion subfuscus.
" hortensis.
Agio. agrestis
" lævis.
Vitrina pellucida
Vitrea cellaria.
" nitidula.
" nitidula.
" crystallina.
Pyramid. rotundata
Vallonia costata
Helix aspersa.
" hortensis.
" cantiana.
" nemoralis.
Hygromia hispida.
" rufescens.
Helicella virgata.
" caperata.
Pupa muscorum
" cylindracea.
Clausilia bidentata.
Cochlicopa lubrica.
Planorbis spirorbis on spec. in canal. Ph. leucostoma in pond.
" contortus
" nautileus

Guildford continued.

Aplecta hyphorum.
Limnæa peregra.
" palustris.
Cyclostoma elegans.
Pisidium pusillum

Small river near Coombe. Lancy.
= "Beverley Brook"

Limnæa peregra
Pisidium pusillum

Wimbledon Common, Lancy.

Arion subfuscus

Dorking & Box Hill. Dec. 1905
Lancy.

Arion subfuscus
" fuscatus.
Agio. agrestis.
Vitrea nitidula
Helix rotundata
" pomatia.
" aspersa.
" nemoralis.
" hortensis.
" cantiana
" rufescens

Dorking continued.

Helix hispida.
" itala.
" cupreata.
Pomatias elegans.

Ewell & Banstead. 14.10.06.
Lancy.

Helicella itala.
" cupreata.
" virgata.
" cantiana.
Helix rufescens.
" hispida.
" costata.
" aspersa.
" hortensis.
Vitrea cellaria.

Nutbury. 20.10.06. Lancy.

Helix virgata.
" cupreata.

Bedington. Surrey. 20.10.06.

Helix rufescens.
" aspersa.

Carshalton. Surrey. 20.10.06.

Helix hispida.

Sutton & Banstead. 21.10.06.

Vitrea cellaria.
Helix virgata.
" cupreata.
" cantiana

Guildford, Shere & Merrow. Surrey. 21.10.06.

Agrio agrestis.
Arion hortensis.
Vitrea cellaria.
" nitidula.
Helix rotundata
" virgata.
" cupreata. (one specimen of H. hispinosa)
" itala.
" cantiana.
" nemoralis.
" hortensis.
" aspersa.
" hispida.
" rufescens.
Eva obscura.
Vallonia excentrica
Limnaea pereger
Planorbis contortus
" umbilicatus
" spirorbis.
Physa fontinalis.

INSET. List of shells taken in deposit (? = drift) on bank of River Thames between Putney and Wordlake, Surrey. A. W. S. Oct. 1906.

Hyalinia cellaria (?), Hygromia hispida and H. rufescens (recent), Limnaea pereger, L. palustris, L. auricularia ≡ L. truncatula, Planorbis glabra? P. contortus, P. stroemii, Pl. vortex (recent), P. carinatus (recent), Neritina fluviatilis, Bithynia tentaculata, B. leachii, Valvata piscinalis, Paludina vivipara (one specimen full of young), Sphaerium corneum, Pisidium amnicum, P. casertanum, P. nitidum, P. henslowanum, and P. pusillum, Unio pictorum and Unio tumidus (?). [A. W. S. 1916]

63A

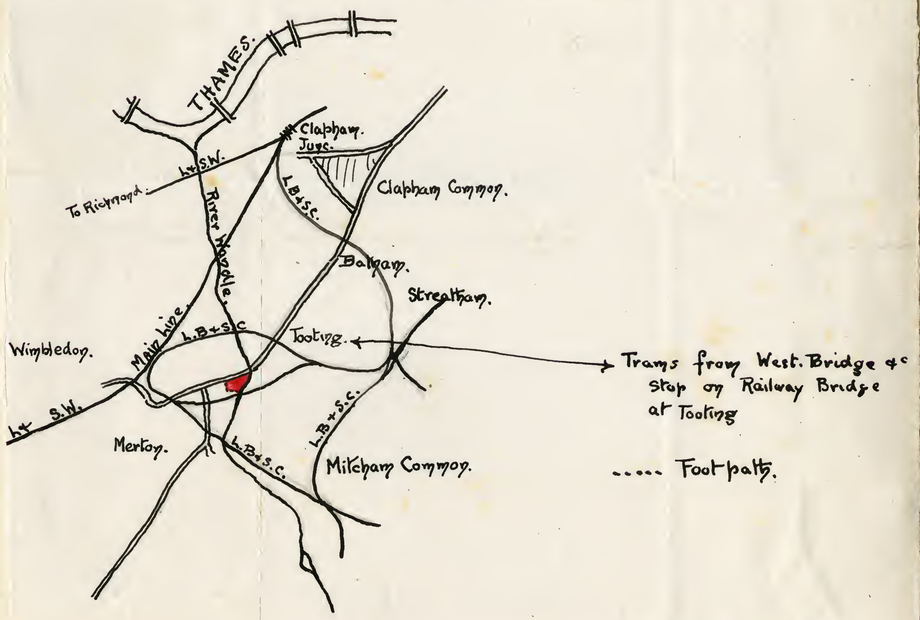
Guildford continued.

Valvata piscinalis.
Pisidia
"

(64)

Merton near Tooting - Surrey. 3.11.06.

Limn. auricum.
Agris. agrestis.
" lævis.
Vitrea crystallina
" alliaria
Zon. nitida.
Arion ater.
Helix rotundata
" hispida
" rufescens.
" aspersa.
Coch. lubrica.
Succinea putris.
Limnæa peregra.
" palustris.
" stagnalis.
" truncatula.
Planorbis albus
" corneus.
" umbilicatus.
" fontanus.



Merton. continued.

Pl. vortex
" contortus.
Physa font.
Bythi. tentaculata
" leachii.
Valvata cristata
" piscinalis
Neritina flav.
Sphaerium corneum.
Pisidia pusilla
" fontinalis.

(65)

} The only Pisidia I can find in my collection from this locality are P. obtusale, tumid form.
P. subtruncatum, small form.

Leatherhead, Dorking, Box Hill & Headley.
St Patrick's Day 1907.

Arion hortensis
(Amalia gagates) One on footpath - South Lambeth Road. S.W. Surrey.
Agris. agrestis.
Vitrina pellucida.
Vitrea cellaria.
" rogersi.
" alliaria.
" nitidula
" pura
" crystallina
" fulva.

Box hill continued.

Helix rotundata
" aculeata
" lapicida
" pomatia.
" aspersa.
" nemoralis.
" hortensis.
" rufescens.
" hispida.
" itala.
" virgata.
" caperata.
" cantiana.
Ena obscura.
Pupa muscorum.
Carychium min.
Clausilia bidentata
" laminata
Coch. lubrica.
Conu. elegans.
Physa fontinalis.

Walton on Thames. Feb. 07. Surrey.

Helix aculeata
Anodonta cygnea
Unio pictorum.

Merton, near Tooting, Banstead & Carshalton
Surrey. 21.4.07.

Arion ater
" intermedius
" hortensis
Agrio. agrestis
" laevis.
Vitrea cellaria
" nitidula.
Helix rotundata
" excentrica?
" aspersa.
" nemoralis.
" arbustorum.
" cantiana.
" rufescens.
" hispida
" caperata
" itala
Coch. lubrica.
Succinea putris?
Planorbis albus
" vortex.
" umbilicatus
" corneus.
" contortus.
Physa font.

Banstead
Nr. Banstead.

Merton &c continued. 21.4.07.

Limnæa pereger
" palustris
" stagnalis.
Bith. tentaculata
" leachii.
Valvata piscinalis
" cristata.
Sphærium corneum.
Pisidium milium
" fontinale
" pusillum.

(68) see 65 p 82.

Merton near Goring. 27.4.07.
Ans & C.P.H.

Arion ater
Agio. aspersus.
Vitrea alliaria
" nitidula.
Helix rotundata.
" hispida
" nemoralis.
" arbustorum.
" aspersa.
Coch. lubrica.
Succinea putris.

Merton continued. 27.4.07.

Planorbis albus
" vortex
" spirorbis.
" contortus.
" umbilicatus.
" corneus.
Physa font.
Aplecta hypnorum.
Limnæa pereger.
" palustris.
" stagnalis.
" truncatula.
Bith. tentaculata
" leachii.
Carychium min.
Valvata piscinalis
" cristata.
Sphærium corneum.
Pisidium
" milium.
"

(69) See 65 p 82.

Box Hill. 28.4.07. Surrey.

Vitrea crystallina
" radiatula
" pura.
" alliaria.
Cocciloides acicula
Vitrina pellucida

Lake Isle S.W. of Highfield, Surrey.
7.5.07.

Planorbis spirorbis
Vitrea nitidula
Coch. lubrica.
Helix hispida
Carychium min.
Pisidium pusillum.

(70)

Box Hill. 5.5.07. Surrey.

Helix pomatia.

Godstone, Surrey. 14.5.07.

Arion hortensis
Agrio. agrestis.
Vitrea crystallina
" cellaria.
Helix rotundata
Coch. lubrica

Godstone continued.

Pomatias elegans.
Limax cinereo-niger.
Oxychilus cellarius.
" Cellarius.

Western Kent West. 14.5.07.

Helix hispida
" hortensis.

Kew Gardens & embankment to Richmond
AWS & CPH. Surrey. 25.5.07.

Arion ater
" hortensis
Agrio. agrestis.
Vitrea cellaria
" nitidula
Helix aspersa.
" hortensis.
" nemoralis.
" rufescens.
" hispida.
Coch. lubrica.
Succinea elegans.
Planorbis fontanus.
" albus.
" vortex
" carinatus

Kew continued. 25.5.07.

Planorbis umb.?
" corneus.
" contortus.
Physa fontinalis
" acuta? L. Lily Tank. Probably an American species & not P. acuta
Limnæa peregr.
" palustris.
" stagnalis
Viviparus viviparus
Bythinia tentaculata
" leachii.
Valvata cristata
Anodonta cygnæa.
Sphærium corneum.
" lacustre.
Pisidium henslowianum.

(71)

Clayton. Sussex W. 3.3.07.

Helix rufata.
" aspersa.
" nemoralis. Tunnel near Brighton
" cantiana.
" rufescens.
Vitrea nitidula
Coch. labrica

Rye. Sussex East. (Sat. Whit. 1907)

Arion intermedius
Apis. agrestis.
Vitrea cellaria.
Helix hispida
" rufescens.
" rotundata
" rufata.
" ~~aspersa~~.
" cantiana.
" hortensis
" aspersa.
Pupa cylindracea.
Planorbis spirorbis
" umbilicatus
Bythinia leachii.
Limnæa peregr.
Pisidium

(72)

Winchelsea. Sussex East. Mon. Whit. 1907.

Arion ater
" intermedius
Apis. agrestis.
Vitrea
"
"

Minchelsea, continued.

Helix rotundata
" aspersa.
" hortensis.
" cantiana
" virgata
" hispida
" rufescens.
Pupa cylindracea
Clausilia bid.
Planorbis umbilicatus
Physa fontinalis.
Limnaea peregra
" palustris.
Bythinia tentaculata
" tentaculata

Walland Marsh, Sussex East. Sun. Whit 1907.

Helix excentrica
Pupa muscorum.
Succinea pfeifferi.
Planorbis crista
" spirorbis.
Paludestrina ventrosa.
Vitrea alliaria
" cellaria
" nitidula

Walland Marsh cont.

Limnaea truncatula

Walland Marsh. Kent East. Whit Sunday 1907.

Arion intermedius
Agrio agrestis.
Vitrea cellaria
Helix excentrica
" aspersa
" nemoralis
" hispida.
" hortensis
" rufescens.
" virgata
" cantiana.
Pupa cylindracea
Coch. lubrica
Succinea pfeifferi
Planorbis crista
" spirorbis
" vortex.
" umbilicatus
Physa font.
Limnaea peregra
" palustris
" stagnalis.

Walland Marsh. Kent. cont.

Bythinia leachii
" tentaculata
Valvata cristata
" piscinalis
Sphaerium corneum.
Pisidium pusillum
"

(73)

Winchelsea continued Lusoe F.

Valvata piscinalis
Sphaerium corneum.
" lacustre
Pisidium pusillum

Northfleet & Greenhithe. Kent West

AWS + CPH

Arion hortensis
Limax maximus
Agrio agrestis.
Vitrea cellaria
" nitidula.
" crystallina.
Helix rotundata
" aspersa.
" nemoralis
" cantiana
" rufescens
" hispida

Northfleet cont.

Helix virgata.
" capreata.
Ena obscura.
Clausilia rolphii.
" laminata
Succinea elegans
Planorbis spirorbis
" umbilicatus
" contortus
Limnaea peregra
" palustris
" truncatula
Pomatias elegans.
Bythinia leachii.
" tentaculata
Paludestrina ventrosa
" jenkinsi
" stagnalis
Sphaerium corneum.

Hampton Court & Bushey Park
Middlesex. 8 June 1907.

Agrio. agrestis.
Vitrea nitidula
Planorbis corneus.
" vortex
" carinatus
Physa fontinalis
Limnæa pereger
" auricularia
" stagnalis
Bythi. tentaculata
Sphaerium corneum.

Wintledon Common. 12. June 07.
Surrey.

Helix aspersa.
" cantiana.
" hortensis.
" hispida.

Bluebottle, Bognor &c. 15.-21st June. 07.
Sussex West.

Vitrea nitidula.
" alliaria
" cellaria.
" nitida
" pura.
" radiatula
Helix rotundata
" virgata
" hortensis
" aspersa
" rufescens
" hispida
" caperata
" excentrica
Coch. labrica
Carychium min.
Pupa cylindracea
Clausilia bidentata — Dead specimen near
Succinea elegans.
Aplecta hyspnorum
Physa fontinalis
Limnæa pereger
" palustris
" truncatula

Chichester continued.

Planorbis albus
" crista
" vortex
" spirorbis
" contortus
Byth. tentaculata
Valvata cristata
" piscinalis
Cyclostoma elegans
Pisidium

(74)

Evesham, Worcestershire. Jun. 07.
Arion hortensis.
Agrio. apertus.

Vitrea cellaria
" nitidula
Helix costata
" rufescens
" nemoralis
" cantiana
" rugata
" hispida
"
Ena obscura
Coch. lubrica.
Limnaea pereger
" truncatula
Succinea Pfeifferi
Lepidus.

Evesham continued

Planorbis vortex
" albus
" fontanus
Viviparus viviparus
Sphaerium rivicola
Anodonta cygnea.
Byth. leachii.

Tewkesbury, Gloucestershire. Jun 07

Succinea Pfeifferi
Limnaea palustris
" pereger
" truncatula
Planorbis vortex
" umbilicatus
Sph. corneum.
Byth. tentaculata

Coldcoster. Essex North. ~~Feb. 07.~~ 14.1.07.

Vitrea nitidula
" cellaria ?
" crystallina ?
Helix aculeata.
" hispida.
" cantiana.
" aspersa.

Coleheston continued.

Aerolotus lacustris.
Limnæa peregra.
" auricularia
" truncatula.
Valvata cristata
" piscinalis
Planorbis albus
" vortex
Byth. tentaculata
" leachii.
~~Planorbis fontanus.~~
Pisidium amnicum.

CORK Conferen[illegible] July. 1907. See. I.N. Sept. 1907.

Bog, near Cork City
Cork Mid.
11th July.

Limnæa peregra [illegible] m.
" truncatula [illegible] good size & normal, the
" palustris [illegible] but apparently fully [illegible] have been taken for [illegible] times. (See I.N. Sept. 07.)
Planorbis spirorbis [illegible] m.
Aplecta hypnorum. [illegible] in the shallow
Physa fontinalis [illegible]
Valvata piscinalis. [illegible]
Pisidium pusillum [illegible]
" obtusale [illegible] bably common.
Arion ater.
" ~~intermedius~~
" subfuscus. } All [illegible] in the
" hortensis. } Water [illegible] low
Agrio. agrestis. } dra[illegible]
" lævis. }
~~Succinea~~ putris Common
" pfeifferi Common
Hyal. cultrica. Common
Carychium min. Common.
Pupa cylindracea Common.
Vertigo pygmæa. One specime[illegible] under a stone near railway.

Pisidium pusillum (?) P. milium
P. obtusale (one of the young specimens proved assuming a totally different look, perhaps due to the parasites)
P. pulchellum (one of the young specimens proved assuming a totally different look, perhaps due to the parasites)
P. pusillum
P. milium
P. pusillum

Pisidium lacustre
Locality. Ballyphehane, Youghal. Carrigrohane. Ballinspittal, near Kinsale. Rosbellan, Adhada.
Box No. 1. 2. 3. 4. 5.
Determined by A.W.S.
Species
County Cork Mid. Cork East. Cork Mid. Cork West. Cork East.
F.W.S.

Return to
A.W.S.

Pisidia taken during the Cork Conference by A.W.S.

Box No.	Locality.	County	Species.
1.	Ballyphehane. ✓ R	Cork Mid.	P. obtusale + P. pusillum
2.	Youghal. ✓ R	Cork East.	P. pulchellum (one of the young specs hardly seems the same but being immature had perhaps best be passed
3.	Carrigrohane. ✓ R	Cork Mid.	(1) P. milium (2) P. pusillum
4.	Ballinspittal, near Kinsale.	Cork West.	P. milium
5.	Rostellan, Aghada.	Cork East.	P. pusillum

7 Kennedy Kerry.
V. nubecula 1
" hibernica 11

8. Killarney Kerry 12
V. lucida 1
" hibernica 2
" sp. 1

9. Lough Nagarriva Kerry 8
Lim. mesolita.

The favour of your inspection will oblige,

Yours respectfully,

I. & R. MORLEY.

Colchester continued.

Aerolotus lacustris.
Limnaea peregra.
" auricularia
" truncatula.
Valvata cristata
" piscinalis
Planorbis albus
" vortex
Byth. tentaculata
" leachii.
~~[illegible]~~
Pisidium amnicum.

Ballyphehane Bog, near Cork City
Cork Mid.
11th July.

Limnaea peregra.	A small globose form.
" truncatula	Very common.
" palustris	Two forms, one of a good size & normal, the other small, attenuated but apparently fully grown, which may have been taken for L. glabra in former times. (See I.N. Sept. 07.)
Planorbis spirorbis	Common. A small form.
Aplecta hypnorum.	A small thin form common in the shallow bog drains.
Physa fontinalis	Common.
Valvata piscinalis.	Not common & young.
Pisidium pusillum	Common.
" obtusale	Only a few taken, but probably common.
Arion ater.	All very abundant & feeding on the Water Cress growing the shallow drains.
" ~~intermedius~~ subfuscus.	
" hortensis.	
Agrio apectis.	
" lævis.	
Euconulus fulvus	Common & fairly large.
" fulvus	Common.
Loch. lubrica.	Common.
Carychium min.	Common.
Pupa cylindracea	Common.
Vertigo pygmaea.	One specimen only under a stone near railway.

(75)

Ballyphehane continued.

Hyalinia cellaria	common.
" nitidula	One var. helvi near cottage.
" alliaria	Common.
" lucida.	One dead in cottage wall.
" fulva.	One spec. with V. pygmæa.
Helix nemoralis.	Common along base of walls.
" aspersa.	Very fine series of forms with last sp.
" rufescens.	Common.
" rotundata.	Common.
" capsata	Rare.
" nemoralis.	Common on all walls.

Old Quarry. Cork City. (Milan & Standen) 12th July.

Arion ater.	Vars. succinea & brunnea. no type.
" hortensis.	
Hyalinia cellaria	

Youghal. Bog south of railway. Cork E. 12th July.

Limnæa palustris	Common
" auricularia.	Collected by F. Balfour Brown.
" peregra.	Common.
Physa fontinalis	Common.
Pisidium pulchellum.	Only a few taken. J. W. Taylor. (76) P. casertanum / P. nitidum — G.W.S. 14/12/16.
Arion subfuscus	Common.
Agrio. agrestis.	Common.

Youghal Bog continued.

Vitrina pellucida.	Dead sp. common along the promenade (grass).
Helix aspersa.	Common.
" capsata.	a few only.
" itala.	In one spot on bank very common.
" virgata.	Common.
" acuta.	Common.
" nemoralis.	Fairly common in old church yard.
" excentrica.	On promenade, at roots of grass. Correct! ADS. 3. 1924.
Clausilia bidentata.	Very abundant at old church
Pupa muscorum.	Two sp. on railway bridge.
" cylindracea.	Common.
Cock. lubrica	Common.
Carychium min.	Common.
Succinea elegans ?	Common.
Paludestrina jenkinsi	Very common.
" ulvæ.	Common.
Vertigo pygmæa.	Rather scarce.

Glendine. Co. Waterford. 12th July. 07.

Limax arborum	
" maximus	Var. bifasciata
Arion ater.	Var. brunnea.
" ~~rufescens~~ fagiatus.	
" intermedius.	Not uncommon in wood.
Zon. excavatus	Var. vitrina. (no type).

Glendine continued

Hyalinia alliaria	And var. viridula.
× " crystallina	Type & var. contracta.
× " fulva.	
Helix nemoralis.	
" fusca.	Common young.
" rotundata	
× " lamellata	abundant.
× " pygmaea.	Abundant
Pupa cylindracea.	
× " anglica.	Not common.
Vertigo edentula	"
× " pygmaea	"
× " substriata	"
× Acme lineata	Type only
× Hy. radiatula.	Type & var. viridescenti-alba.
× Carychium min.	
Clausilia bidentata.	

Marked thus × taken in rows showing by R. Stanton.

Bogs near Youghal Cork E. 12th July.
Collected by Balfour Brown

Amalia sowerbyi.	
Limnaea auricularia.	
Planorbis nautiloides	
Valvata cristata	
Pisidium pusillum	

(76)

Glendine Castle & Abbey Graveyard
Co. Waterford. 12th July.

Arion ater.	Var. plumbea.
" hortensis.	
Limax maximus.	Type.
" flavus.	a var. approaching rufescens.
" arborum.	
Amalia gagates.	Very fine (R. Patterson).
Agrio. agrestis.	
Helix nemoralis.	
" rufescens.	Var. rubens & type. Very fine & abundant.
" aspersa.	
" hispida	a very dark form.
Hyalinia cellaria.	
" radiatula	
" nitida	? nitidula (MK)
Pupa cylindracea	
Clausilia bidentata	
Balea perversa.	On beech trees.
Loch. lubrica.	
Paled. jenkinsi	On river bank. Youghal Church. Cork E.
Limax arborum.	
Hy. draparnaudi	
Balea perversa.	See next page

Near Youghal Bridge. Cork E.
12th July.

Planorbis crista.
" spirorbis.
Helix caperata.
" rupestris.
" rigata.
" hispida.
" rufescens.

Ardsallagh. Co. Waterford
(Opposite Glendine Castle) 12th July.

Arion ater.
Limax maximus.
Agrio agrestis.
Anodia corvatyi.
Hyalinia cellaria.
" nitidula.
" pura. Type + var. nitidosa.
Helix aspersa.
" nemoralis
" rufescens.
" hispida.
" rupestris.
" rotundata.
" caperata.
Clausilia bidentata.
Succinea putris.

Ardsallagh continued.

Pupa cylindracea
Vertigo pygmaea.
Coch. lubrica.
Limnaea truncatula.

Old Chur[illegible] in Youghal. 12th July.
Cork East.

Hyalinia lucida
" ~~[illegible]~~
Helix nemoralis
" hispida
" rufescens.
Balea perversa.
Clausilia bid.
Pupa cylindracea.

"The Gearag[illegible] River Lee, Cork West
13th July.

Limnaea peregra
" truncatula On an island
Planorbis albus
" contortus
Physa fontinalis.
Pisidium pusillum
Succinea putris
" oblonga. } Common + very fine.

BRITISH MOLLUSCA.

BRITISH MOLLUSCA.

Near Youghal Bridge. Cork E.
12th July.

Planorbis crista.
" spirorbis.
Helix caperata.
" rupestris.
" rigata.
" hispida.
" rufescens.

Ardsallagh. Co. Waterford
(Opposite Glendine Castle) 12th July.

Arion ater.
Limax maximus.
Agrio agrestis.
Arolia cornubyi.
Hyalinia cellaria.
" nitidula.
" pura. Type + var. nitidosa.
Helix aspersa.
" nemoralis
" rufescens.
" hispida.
" rupestris.
" rotundata.
" caperata.
Clausilia bidentata.
Balea perversa.

Ardsallagh continued.

Pupa cylindracea
Vertigo pygmaea.
Coch. lubrica.
Limnaea truncatula.

Old Church yard in Youghal. 12th July.
Cork East.

Hyalinia lucida
" ~~[illegible]~~
Helix nemoralis
" hispida
" rufescens.
Balea perversa.
Clausilia bid.
Pupa cylindracea.

"The Gearagh" River Lee, Cork West
13th July.

Limnaea peregra
" truncatula On an island.
Planorbis albus
" contorta
Physa fontinalis.
Pisidium pusillum
Succinea putris
" oblonga. } Common + very fine.

"The Gearagh" continued.

Arion subfuscus.	
" intermedius.	
Apis. agrestis.	
" lævis.	
Limax arborum.	
Hyalinia pura	Type + var. nitidosa.
" radiatula	Type & var. v-alta.
" crystallina.	
Helix ~~pulchella~~	(Vallonia ✓excentrica) (v. excentrica! a.u.s. 1924) In moss on the "second" bridge.
" rupestris.	
" rotundata	
" pygmæa.	
Vertigo antivertigo.	
Clausilia bidentata	
Cocch. labrica.	
Carychium min.	

Shore of Lough Allua. Cork West 13th July.

Limnæa peregra.	
Planorbis albus.	
Ancylus fluviatilis.	
Bythinia tentac.	
Succinea putris.	
Agrio. agrestis	Var. reticulata & tristis
" lævis.	

Pisidium (77)

Lough Allua continued.

Hyalinia fulva.	
" nitida	
" crystallina	
" excavata	All type. Common.
" radiatula	
" alliaria	One var. viridula.
Helix nemoralis.	The thin woodland form.
" lamellata.	Very common in moss.
" aculeata.	a few only
" pygmæa.	Frequent.
Vertigo edentula	
" antivertigo.	
Arion ater	Var brunnea. & castanea.
" subfuscus	Var. cinereo- & brunnea.
" intermedius	
Limax c-niger	One var. Vera found by D. Demian Roebuck.
" arborum.	
Carych. minimum.	

Carrigrohane, Cork Mid. 14th July.

Limnæa peregra.	
" truncatula	
Physa fontinalis	
Ancylus fluv.	
Valvata piscinalis	

Carrigrohane continued

Planorbis albus	
" contortus	In the River Lee in fast running water.
" crista	
" fontanus	
" spirorbis.	Planorbis 87
Succinea putris	Common & large. Light amber colour.
" elegans	Rare: var. Pfeifferi.
" oblonga.	Common & very fine around the small pool below the bridge.
Arion ater.	Var. castanea.
" hortensis.	
" subfuscus.	
Agrio. agrestis	Type & white var.
Limax arborum.	
Amolia sowerbyi	Very abundant & fine
Hyalinia cellaria	
" nitida.	
" lucida	
" radiatula	
" crystallina	
" fulva.	
Helix aspersa.	
" caperata.	
" rufescens.	
" rotundata	

Carrigrohane continued.

Helix hispida.	
Clausilia bidentata.	
Pupa cylindracea	
Vertigo antivertigo.	
Coch. lubrica.	
Cochlicopa nitens.	
Pisidium milium	
" pusillum	(78)
Hyg. alliaria	

The Rock close, Blarney Castle. Cork Mid.
Sun. 14th July.

Limnaea palustris.	
Planorbis fontanus.	
Valvata cristata	
Planorbis contortus	
Pisidium milium	(79)
Physa fontinalis	
Sphaerium corneum.	
Arion ater	Var. castanea.
" hortensis	Var. subfuscus.
" circumscriptus	
" subfuscus.	
Limax arborum.	
Agrio. laevis	

Blarney continued.

Helix sowerbyi	Of unusual size & very active
	See I.N. Sept. 1907.
" fagates.	Var. plumbea.
Helix nemoralis.	
" aspersa.	
" rufescens.	
" hispida.	
" sculeata.	
" rotundata.	
" pulchella.	
Hyalinia crystal.	Type + var. contracta.
" alliaria.	Type + var. viridula.
" cellaria.	
Claus. bidentata	
Balea perversa.	
Pupa anglica.	Cylindrus.
Succinea putris	a very large form swarmed on nettles & other tall plants round lily pond.

Aghada + Rostellan. Cork East.
15th July.

Limax pereger.	
" truncatula	
Valvata piscinalis	
Planorbis spirorbis	
" marginata	
Arion ater	Vars. castanea + succinea.
" hortensis	
" circumscriptus	
Limax arborum	
" flavus	
" maximus.	
Amalia gagates	
Agrio. agrestis.	
Amalia sowerbyi.	
Palud. jenkinsi.	In drain under trees & amongst dead leaves.
Byth. tentaculata	
Pisidium pusillum	— (80)
Physa font.	
Hyalinia albaria	
" cellaria	
" lucida	
" nitidula	
" radiatula	Type + var. viridescens. alba.
~~Pyramidula rotundata~~	Common on shore. Often imposed
Acme lineata	Var. alba. Many near crowlear in moss obtaining

Aghada continued.

Helix aspersa	
" nemoralis.	
" caperata.	On leaves of large umbelliferae in woods.
" hispida	var hispidosa.
" rupestris.	
" rotundata	
" fusca	With S. pulteus on lies in marsh.
" rufescens.	
" aculeata	Moss stockings.
Succinea putris	
" elegans.	
Claus. bidentata.	
Cochl. acuta.	
" cylindracea.	
Balea perversa.	
Cochl. lubrica.	
Vitrina pellucida	Dead
Vertigo edentula.	

Kinsale, Cork Mid. 16th July.

Limax perego.	
" truncatula	
Arion flav.	
Arion rufus.	
Agrio agrestis.	
Limax nig.	Var cellarum

Kinsale continued.

Arion hortensis	
" subfuscus	
Hyalinia fulva.	
" allinia.	
Helix rotundata	
" aspersa.	
" nemoralis.	
Cochl. lubrica	
Succ. cylindrica	
Claus. bidentata.	

Ballinspittal. Cork West.

Limax perego	
" truncatula	
Pisidium milium	
" pusillum	
Limax arborum	
Anodon cygnea.	
Arion subfuscus	
" circumscriptus.	
Hyalinia alliaria	
" cellaria	
?	
" radiatula	
" nitida	
" crystallina	
Agrio agrestis.	

(81)

Ballinspittal continued.

Succinea putris
Helix aspersa.
" nemoralis.
" rotundata.
" rufescens.
Pupa anglica.
Vertigo antivertigo.
Clausilia bidentata.
Carych. min.

Farran Salway. Cork Mid 16th July

Limnaea pereger
" truncatula
Succinea putris
" elegans.
Arion ater. Numerous var. from brown to white, but no type.

Agrio agrestis
Arion subfuscus.
Helix aspersa.
" nemoralis.
" hispida.
Vertigo antivertigo.

Cork City, (Cork Mid). 17th July. 07.

Agrio. agrestis.
Amalia sowerbyi.
Arion hortensis.
Helix rotundata
" rufescens.
Cock. labrica.
} Near Mushering Railway station

Valvata piscinalis. Common in the River Lee
L. pereger. River Lee.

The Lough of Cork. Cork Mid. 17th July 07. A.W.S. & F.M.

Planorbis albus
" crista
" fontanus.
Valvata cristata
Limnaea pereger.
" palustris
" truncatula
Cyclas pisiella
" subtruncatum

Type & var. nautileus

NB. Planorbis glaber is recorded from here, but I saw no sign of it. Also L. auricularia R.A.S. & Pl. lacustris, R.A.P.

82

Gouganibarra. Cork West. 18th July.

Arion ater	
" subfuscus.	Common on St. Toland.
" intermedius	Common.
Limax maximus	
Agrio. agrestis	
Vitrina pellucida.	Two young spec. alive.
Hyalinia nitidula	
" alliaria.	
" crystallina	
Helix nemoralis	& In "Keim-an-eigh"
" rotundata	
" hispida.	
Pupa cylindracea	
Balea perversa.	
Cock. lubrica	+ var. vitrinea.
L. pereger.	
Anodonta fluv.	Common. in Lake.

Glengariff. ~~Kenagh South~~. Cork West. 17th July.

Hyalinia alliaria	
" fulva.	
" excavata.	
" nitidula.	
Helix rotundata	
" rufescens.	
" nemoralis.	
Pupa cylindracea	
Arion ater	
" subfuscus.	
" intermedius	
Agrio. agrestis.	
Limax pereger.	Common by roadside 3/4 up to Tunnel, a normal heavy, light spotted form. Small lough above Cornane. ~~Kenagh South~~ 1350 ft alt. Cork West. 19th July.
Pisidium hibernicum	Apparently very common, but as only young spec. were taken here, I have some doubt, that they are this species although identified by J. W. Taylor.

(83)

Lough Nagarriva. Kerry South.
19th July.

Limnæa sp.? A form very close to L. involuta. I sent animals to Rev. E.W. Bowell, who has described them as a new species, in I.N. Jan. 1907, under the name of
Limnæa praetenuis, Bowell.

Limnæa praetenuis / P. Bevert.

Pisidium hibernicum. ? Very common but nearly all spec. were very ~~young~~.
This shell was first discovered by Dr Scharff here in & this is the second time the lake has been visited
Some other has since been named P. ellipticum by B.B.W.

(84)

Lough Namaddra. Cork West.
19th July. 07.

Pisidium hibernicum ? Very common, but as in the other lakes, mostly young.

(85)

Lake View Hotel neighbourhood, Killarney
Kerry North. 20 + 22nd July.

Planorbis crista
" fontanus
" spirorbis.
Limnæa pereg.
" palustris
Pisidium

all in lake about ½ mile behind the Hotel or in drain & marsh near the entrance from road.

(86)

Helix rufescens.
" pygmaea
" nemoralis.

common. All young.

Succinea putris. — ? Pfeifferi

Pupa anglica
" cylindracea.
Vertigo
Carych. minimum
Cock. lubrica.

All in ditch on road leading up to Hotel entrance from main road.

Killarney continued

Hyalinia alliaria	Roadside above Hotel entrance.
" nitidula	
" radiatula	
Helix rotundata	
" rufescens.	
" aspersa.	
	Muckross Abbey 21st July.
Helix rotundata	all found in the ruins.
Pupa cylindracea	
Clausilia bidentata	
Hyalinia cellaria	
" nitidula	
Helix rotundata	Near the Abbey, dead.
Planorbis spirorbis	On the lake shore.
Physa fontinalis	
Limnaea peregra.	
" palustris	
Ostracon concinna	
Anacylus fluv.	
Pisidium	
Hyalinia lucida	One dead from abbey. } Identified by A. S. Kennard.
" helvetica	
" Schwaffi ?	

(87)

Erroneous. AWS.

Zoic Woods, Killarney. Kerry North. 21st July.

Hyalinia fulva.	
" crystallina.	
" nitidula	
" cellaria.	
" alliaria	+ Var. viridula
" pura.	
" excavata	Type + var. vitrina.
Helix rotundata	
" laevigata.	
" rufescens.	
" revoluta.	
Cock. labrica.	
Limax c-nigra.	One spec. like var. vera, near the waterfall in bog.
Arion ater.	
" subfuscus.	
" minimus	Very common.
Pupa anglica.	
" cylindracea.	
Clausilia bidentata.	
Balea perversa.	
Vertigo edentula.	
	South Cromaun above Killarney
Helix revoluta.	One very thin spec. above lake. Kerry N.
L. involuta.	Several young spec. & 4 fully grown. Many eggs were observed on the stones in water.
Pisidium ?	Common young.

Abd. Red.

(88)

Gap of Dunloe, Kerry South.
22nd July.

Limnæa peregr.
Pisidium
" (89)

} All in Coomar Lough at the north end of the Pass.

Planorbis contortus
Physa fontinalis
Anacharis Alsin.

} In the Black Lough at the summit of the pass.

Agris. apestris.
" laevis.

} Both on shores of Loughs.

Ross Castle. Killarney. Kerry North.
23rd July.

Pupa cylindracea
Helix rufescens.
Vitrina pellucida alive.
Agris. apestris

} all living in the upper chamber of the tower.

Wood below Lake View Hotel. Kerry South.
24th July.

Hyalinia nitidula
" crystallina
Helix fusca.
" revoluta.
" rufescens.
Arion hortensis
" subfuscus
" intermedius
Agris. apestris.
Pupa cylindracea
Helix aspersa

Kenmare. 20th July. 07. Kerry South.

Arion circumscriptus
Agris. apestris.
Arolia sowerbyi.
" fagetes.
Helix rufescens
" rotundata
" hispida
" aculeata.
Hyalinia allaria
" nitidula
" crystallina
Vitrina pellucida.
Pupa cylindracea.
Clausilia bidentata
Helix revoluta
" aspersa.

Helix rufescens
" aspersa

Carbonifera

St. Finian's Church Yard Kenmare.

Helix rotundata
" rufescens.
" granulata. Common here in July 1907 but I could not see one this year.
Hyalinia cellaria
" allaria.
Clausilia bidentata
Agris. apestris
Pupa cylindracea

Coolcarrigan. Co Kildare. 25th July.

Arion hortensis
" subfuscus.
" intermedius
Limax arborum.
Agio. agrestis.
Hyalinia cellaria.
Helix rotundata.
" rufescens.
" pygmaea.
" itala
" caperata
" rugata.
Vertigo edentula.
Cock. lubrica.
Planorbis ~~nautileus~~ carinatus ✓ ? Young.

Gallion. Co Kildare 25th July

Helix aspersa.
Planorbis nautileus ? Young.
Bythinia leachii. Very common in the Grand Canal near station
Rathcoole. since taken the shell at Lucan.
Co. Dublin in Lane Canal
" tentaculata Common.
Limnaea pereger.
" palustris
Valvata cristata
Succinea pfeifferi.
Physa fontinalis.

Mouth of the Antrim River, Antrim
Co. Antrim.
8th Aug. 07.

Hyalinia cellaria
" nitida
Cock. lubrica.
Helix hispida
Carych. minimum.
Limnaea pereger.
" palustris
Aegles fluviatilis
Succinea oblonga. Quite common at roots of trees. A specimen form. first taken here by J. N. Milne.
Planorbis carinatus.
" albus.

Paludestrina jenkinsi. Very abundant & fairly large in size.
Valvata piscinalis
" cristata ?
Bythinia tentaculata
Sphaerium corneum
" lacustre
Pisidium ~~obtusale~~ hibernicum ✓
" ~~pusillum~~ nitidum ✓
" subtruncatum ✓
" fossianum ✓
" casertanum ✓

90

Glencairn, Legoniel Co Antrim.
21.8.07.

Hygromia hispida.	Common on ditch outside Glencairn House.
" rufescens.	
Limax perag.	
Arion fuscatus.	
Clausilia bidentata.	
Hyalinia alliarius.	
" crystallina.	
Helix nemoralis.	

Crawford's Nursery, Clonine Garden
Belfast. Co Antrim
27.8.07.

Arolia fagates.	Common & large.
Agriolimax sp.?	A dark small species very like A. lævis, but I believe another species.
Pyramidula rotundata.	One very large & high spired specimen.
Hyalinia sp.?	One dead spec. very like H. nitidus.
Subulina octona.	Quite common in the Palm House under pots & like utensils. Notes on the animal. "Lemon yellow all over, including tentacles. Foot 5 mm. when crawling. Eyes black, sunk in the top of upper tentacles & showing very distinctly when withdrawn. Upper tentacles about 1 mm. long, short & thick. Lower ones nearly round protuberances.

Crawford's Nursery cont.

Opeas goodalli	Very common with the last species & the animal is very similar in colour &c. only about 1/3 the size.
Limacella perag.	Living in a barrel of water. Common.

Moira. Co. Antrim
1st Sept. 07.

Agrio. lævis.	
" agrestis.	
Hyalinia fulva.	
" crystallina.	
" radiatula.	
Helix pygmæa.	
" hispida	
" nemoralis.	
" rotundata	
" aspersa	
" excentrica.	Very common on the railway bridge over Canal.
Hyalinia cellaria	
" nitidula	
Vertigo pygmæa.	
" antivertigo	
" substriata.	
Cock. fulvicus.	
Carychium min.	
Succinea putris	

Moira. Co Antrim. continued.

Planorbis carinatus	In stream.
" umbilicatus	In small pond near station.
" albus	
Valvata cristata	
" piscinalis.	
Sph. corneum	
Pisidium fontinale (91)	
Limnæa peregra	
" palustris	
" truncatula	
Physa cylindracea	
Arion subfuscus	
" hortensis	
" fasciatus	
Limax maximus	Var ferruginei.

Pisidia Identified by J. W. Taylor. July 1909.

Pisidium fontinale.
" gossianum
" obtusale
" pusillum.

Moira. Co. Down.

A.W.S. + R.W. 1.9.07.

Limnæa peregra	
" palustris	
Physa fontinalis	
Clausilia bidentata	
Valvata piscinalis	
" cristata	
Sphaerium corneum	
" lacustre	
Pisidium fontinale (92)	

Moira, Co Down continued.

Helix rotundata	
" hispida.	
Loch. lubrica.	
Planorbis fontanus	
" umbilicatus.	

Soldiers town Co. Antrim.

A.W.S. + R.W. 1.9.07.

Hyalinia nitidula	
" cellaria.	
Arolia fagates.	Var. plumbea.
Arion ater.	Var. plumbea.
" fasciatus.	
Limax sp.	
" arborum.	
Helix nemoralis	
" aspersa.	
" hispida.	
Loch. lubrica.	
Clausilia bidentata	

The peat Falas of Fair Head. Co. Antrim

A.W.S & R.W. 8.9.07.

Carrickmore Bog.

Amalia gagates.
Agris agrestis.
Arion ater.
" minimus.
" circumscriptus
Limax maximus
" arborum.
Hyalinia alliaria.
" Liberwica.
" crystallina.
Vitrina pellucida.
Helix rotundata.
" pulchella.
" hispida.
" nemoralis.
" pygmaea.
Hyalinia fulva.
" radiatula.
Vertigo pygmaea.
" antivertigo.
" edentula.
Boch. lubrica.
Carychium min.
Succinea pfeifferi

Fair Head continued.

Carrickmore Bog continued.

Pupa anglica.
" cylindracea.
Limnaea truncatula
Clausilia bidentata
Pisidium pusillum.

(93)

The Great Falas.

Arion ater.
" subfuscus.
" circumscriptus.
" minimus.
Agris agrestis.
Limax maximus
" cinereo-niger. Var. Vera.
" arborum.
Hyalinia pura.
" nitidula. Nearly all dead & all var. Helmi.
" radiatula.
" alliaria.
" crystallina.
" fulva.
Helix rotundata
" aculeata
" fusca.
" nemoralis.

Fair Head continued.

	Hefeat Falls continued.
Helix lispida.	
Cock. lubrica.	
Acme lineata.	Type & var. alba.
Pupa anglica.	
" cylindracea.	
Vertigo pygmaea.	
" substriata	
" edentula.	
Limnaia truncatula.	
Pisidium pusillum.	(94)

Ballintoy & Whitepark Bay. Co. Antrim.

a.W.S. 9.9.07.

Arion ater.	
" subfuscus.	
" intermedius.	
Agrio. agrestis.	
Limax maximus	
" arborum.	
Vitrina pellucida	Dead.
Hyalinia pura.	
" radiatula.	
" crystallina.	
" hibernica.	
Helix costata.	
" aculeata	

Whitepark continued.

Helix nemoralis	
" aspersa.	
" lispida	(concinna). Helix acuta rotundata
" itala.	" rotundata
Cock. lubrica.	
Carych. minimum.	
Vertigo pygmaea.	
" angustior	Dead in shell pockets.
" pusilla	" " " " "
Acme lineata	" " " " "
Balsilia bidentata.	

Plantation Port, Kerbane. Co. Antrim.

a.W.S. 9.9.07.

Hyalinia cellaria.	
" crystallina.	
Helix arbustorum	
" nemoralis.	Helix rotundata
" lispida.	" itala 1901.
" aculeata.	Sept. 1907.
Acme lineata.	Sept. 1901.
Pupa cylindracea	White
Balsilia bidentata	White.

Tor Bay. Co. Antrim. Aut. 10.9.07.

arion ater
" subfuscus.
" fuscicolus
" intermedius
Agrio. agrestis.
Limax arborum.
Hyalinia cellaria
" alliaria.
" nitidula ?
" pura.
" crystallina
Helix pygmaea
" hispida.
" rotundata.
" (arbustorum)

R. Welch has taken this by the roadside just above the village of Tory

Clausilia bidentata
Vertigo pygmaea.
Cock. lubrica
Pupa cylindracea.
Helix excentrica.

Mainland, Orkney Islands.

Stromness 13.9.07.

arion ater
" subfuscus.
" minimus
" circumscriptus
" hortensis.
Limax arborum
Agrio. agrestis.
Hyalinia cellaria
" alliaria

" nitidula — 2 specimens on lake shore at Stenness.
" crystallina
"
Arcella gapata.
Vitrina pellucida
Helix rotundata. — + H hispida under logs near store.
Cock. lubrica.
Pupa cylindracea.
" muscorum.
Balea perversa.
Limnaea truncatula.

Orkney continued.

Stenness 14.9.07.

Arion ater	Common.
" subfuscus.	Very common.
" hortensis	also common.
" fasciatus	Some queer specimens of "this" species, which are I think another species. NO! A. fasciatus var. septentrionalis Mich.
" intermedius	a few.
Limax arborum.	a few long spec. light in colour. Var.
Agris. agrestis.	common, mostly var. brunnea.
" lævis.	Fairly common.
Vitrina pellucida	Common.
Hyalinia alliaria	Very common. Hy. radiatula. 2 spec.
" nitidula	2 spec. of var. nitens near the shore of L. Harray
" crystallina	Rather scarce.
Helix pygmæa	Very common near the the peat circle.
Bord. labrica.	Rare.
Baych. min.	common.
Pupa cylindracea	Very common.
Vertigo edentula	among heather at the peat circle
" pygmæa.	Under stones near Lake shore.
Succinea putris?	One sp. with the next species. ?
" schumacheri?	Very abundant along the Lake shore. ?
Limnæa peregr.	A small form in Lough Stenness
" truncatula	Lough Stenness shores.
Ancylus fluv.	In a small stream.
Planorbis spirorbis	In Lough Stenness & other shallow flooded areas.

Orkney continued.

Stenness cont.

Pisidium pusillum	Lough Stenness ? " Lough Harray. ✓
" milium.	" " (95) "Collected at edge of Loch Harray,
" fontinalis	" " Stenness, 14.9.1907. P. casertanum, P. milium P. personatum and P. obtusale. fide A.W. Shelpe in litt. 24.11.58 all det. A.W. Shelpe, 13.1.1918.

Sandwick Bog. 14.9.07

Pupa muscorum.	
" cylindracea.	
Helix pulchella.	
" rotundata	
Arion ater	
Agris. agrestis.	
Limax arborum	
Vitrina pellucida	

Lough Skail & its shores 14.9.07

Limnæa peregr.	
" truncatula	
Planorbis glaber.	"Identical with spec. of Pl. arcticus." (H.S.K.)
Sphaerium corneum	
Pisidium pusillum	(96)
Hyalinia alliaria	
Helix rotundata.	
Pupa cylindracea.	
Vertigo pygmæa	
" edentula	
Succinea schumacheri.	
~~Ad. [illegible]~~	Only Lough sp. spec. but believe? open topped a good many as young Pupa. Kennard believes it to be a new species. His shell striated but no spines. It was under stones where an old burial mound on south shore of L. Skail.

Kew Gardens & Thames shore. Surrey.
A.W.S & C.P.H. 27.9.07.

Agris. agrestis.
" lævis.
Hyalinia crystallina
" cellaria
" nitida.
Arion ater.
" fasciatus.
Helix hispida.
" concinna.
" rufescens.
" cantata.
" aspersa.
" hortensis. Many varieties including "arenicola" hyalozonata.
One specimen with a band formula of 12 ~~345~~.
Loch. lubrica.
Succinea elegans.
Carych. min.
Limnæa peregra.
" stagnalis. + truncatula
Planorbis corneus.
" albus.
" carinatus. ? ✓
" contortus.
" vortex.
Physa fontinalis.

Kew continued.

Bythinia tentac.
Sphaerium corneum.
Pisidium pusillum } (97)
" fontinale.
" milium.

Seven Oaks Weald. Kent West.
A.W.S. & C.P.H. 5.10.07.

Arion fasciatus.
" intermedius.
Agris. agrestis.
Vitrina pellucida
Hyalinia cellaria
" nitidula
" alliaria
" radiatula.
" pura.
" crystallina.
Helix rotundata
" hispida.
" aculeata.
Carychium min.
Sphaerium lacustre a peculiar form.
Cochlicopa lubrica
Succinea elegans.
Pisidium pusillum — (98)
Arion hortensis.
Limnæa truncatula

Seven Oaks continued.

Agrio. laevis
Planorbis vortex
" umbilicatus
" contortus
Physa fontinalis.
Valvata cristata.
Limnaea peregra
Pisidia ?
Helix nemoralis
" aspersa.

P. bottanicus? (98 See on)

Box Hill, Surrey. AWS & C.P.H. 6.10.07

River Mole at Burford Bridge.

Limnaea auricularia
" peregra.
Anodonta cygnea. Dead.
Unio tumidus Dead.
Lucilinea patris.
Planorbis carinatus
" contortus
Ancylus fluv.
Bythi. tentaculata.

Box Hill.

Helix caperata
" hispida
" nemoralis.

Box Hill continued.

Helix rotundata. A few white specimens on top in woods.
" cantiana. Dead.
" lapicida. Dead at Betchworth.
" (aspersa. One alive on Sutton station).
" nemoralis. Dead.
" itala. Dead. Several at Betchworth.
" cantata. Fairly common.
" pomatia. One young dead above Betchworth. We could not find any alive where there were hundreds in June. They had evidently burrowed in the soft chalk as there had been slight signs of frost a day or 20 before our visit.
Vertigo pygmaea. A few under flints on ~~the~~ Pilgrim's Way above Burford Bridge. Normal & large. 4 teeth
Pupa muscorum. Fairly plentiful with last under flints.
Clausilia bidentata Very abundant on an old brick wall in Betchworth.
Eua obscura Living at roots of grass & up on the hedges at Betchworth. Several pure white specimens.
Cock. lubrica. A few. Two pure white on summit of hill in woods
Carychium min. Common.
Cecilioides acicula. A few dead under grass & moss above Burford Bridge.
Zonitoides elegans. In millions on hedge bank at Betchworth.
Limax arborum. One on tree. Young.
Arion minimus. Common.
" hortensis. Very abundant in the old woods & the only mollusc seen alive in the denser portion.

Box Hill continued.

Vitrea cellaria	Rare.
" crystallina	Common.
" nigersi.	One specimen.
" alliaria	a few.
" nitidula	common
" pura.	Very common in the old woods. Nearly all type.
Vitrina pellucida	Probably common in season.

Ashford & Eastwell Park. A.W.S. & S.H.S.
Kent East. 13.10.07.

Hyalinia alliaria	
" nitidula	
Helix hispida	
" rufescens.	In deposit in tank of Eastwell Lake.
" cantiana	In deposit. also alive.
" aspersa.	Dead.
Cyclostoma elegans	In deposit.
Limnaea peregra.	
Planorbis vortex	
" umbilicatus	
" albus	
" contortus.	
Pisidium milium	

(99) missing

River Stour at Ashford. Kent East
A.W.S. 14.10.07.

Limnaea peregra.	
" stagnalis.	
Planorbis albus	
" vortex.	
" spirorbis.	
" umbilicatus	
Bith. leachii ?	
" tentaculata.	
Anculus flav.	
Anodonta cygnea	Dead.
Sphaerium corneum.	
Pisidium pusillum	
Physa fontinalis.	
Helix hortensis	Dead near Ashford.

(100)

Dover. Kent East. A.W.S. 14.10.07.

Helix virgata.	all four common on Shakespeare cliff.
" aspersa.	
" rufescens.	
" cantiana	

Canterbury to Patricksbourne. Kent East.

A.W.S. 14.10.07.

Hyalinia cellaria	In the cathedral close.
" nitidula	Roadside.
" radiatula	One in copse at Patricksbourne
Agris. agrestis.	
Arion ater.	
" hortensis.	
" fasciatus	
Helix hispida	
" rufescens	
" cantiana	
" aspersa.	
" capreata?	A form which I cannot believe is capreata was very common on roadside just outside Canterbury town. Long & flat. Young shells not keeled. Type on station platform.
" virgata.	Type + var alba at Patricksbourne.
Pupa muscorum.	With latter under flints in field.
Euo obscura.	One under railway arch at Beckesbourne.
Cyclostoma elegans	Type & var. ochraceus with H. capreata?

This was my first record of Helicella virgata Mortillet. A.W.S. 1913.

Virginia Water & Windsor Park, Berkshire.

A.W.S. C.B.H. 27.10.07.

Arion minimus.	
" hortensis.	
Agris. agrestis.	
" laevis.	
Hyalinia cellaria.	Dead.
" alliaria	Rare, only a few by roadside.
" nitidula	Very common, large & bright by roadside close to Sunningdale entrance to Park. (Species taken here are recorded as "Sunningdale").
" nitida	Very common young in Park.
" crystallina	
" fulva.	Rare on roadside from Virginia Water.
"	
"	
Loch. lubrica	
Helix pygmaea	One spec. with Hy. nitida.
" hispida	Common at Sunningdale.
" nemoralis.	Several young + dead also at Sunningdale.
" rotundata	Rare. Sunningdale.
Laychin min.	Park
Succinea putris	Park.
Limnaea auricularia	
" peregra.	Cumberland Lodge Lake. Windsor Park.
" stagnalis	
Physa font.	Virginia Water.

Windsor Park continued.

Planorbis albus	Cumberland Lodge Lake.
" contortus	Virginia Water & last locality.
"	
Valvata cristata	Virginia Water.
Pisidium pusillum	Virginia Water.
" fontinale	Cumberland Lodge. (101) ✓
Anodonta cygnea	" "
Sph. corneum	" "
Vitrina pellucida	common.

Embankment of Thames at Staines, Surrey
27.10.07.

Planorbis corneus.	
" contortus.	
" vortex.	
V. viviparus	Dead.
Helix hispida	common.
" hortensis	Several, mostly young.
" pulchella.	common.
" arbustorum	Several young.
Cochl. lubrica.	
Hy. nitidula	
" cellaria.	
Bythinia tentaculata	
Arion circumscriptus	
Agrio. agrestis	
" laevis.	

Weybridge Canal. Surrey.
AWS. 3.11.07.

Limnaea peregra	
" auricularia	
L. stagnalis.	
Planorbis vortex.	
" albus.	
Sph. corneum.	
" rivicola.	
Unio pictorum.	
" tumidus.	
Anodonta cygnea.	
Dreissensia pol.	
Pisidium annicum.	(102)
V. viviparus.	
Helix hispida	
" cantiana.	
Byth. tentaculata	
" leachii.	
Acrolocus lacustris	

Chertsey to Staines. Middlesex.
AWS. 3.11.07

Arion subfuscus	
" fasciatus	
Agrio. agrestis	
" laevis.	

Chertsey - Staines cont.

Vitrea nitidula	
" crystallina	
Zon. nitida	Very common & abundant under dead reeds along River Thames at Laleham.
Clausilia bidentata	
Helix hispida	
" nemoralis.	
" cantiana	
" pulchella.	
" caperata?	V. common = H. hispida pulchella
Lock. lubrica.	
Limnaea stagnalis.	
" palustris	Very nice specimens with Hy. nitida.
" truncatula	
Pisid. conen.	
Anodonta cygnea	Dead.
V. viviparus	Dead.
Bith. tentaculata	
Neritina fluv.	Dead.
Planorbis vortex	
" umbilicatus	
" contortus	

Bushey & Watford. Herts.
AWS & C.P.H. 10.11.07.

Arion ater.	A few young.
" hortensis.	
" fuscus	
" minimus	
Aquis. aquatic.	
" laevis.	
Vitrina pellucida	
Vitrea cellaria	
" nitidula	
" alliaria	
" rogersi.	Very common near mill on River Colne.
" crystallina	
Helix rotundata	
" pulchella.	
" costata.	
" aspersa.	
" nemoralis.	
" arbustorum	A few alive & many dead on bank of River & canal
" rufescens.	
" hispida.	
" granulata	Very abundant and active on Canal bank.
" caperata.	+ sp.?
" cantiana.	
Balia obscurus.	
Clausilia bidentata	

Watford continued

Cock. labrica.	
Carychia min.	
Planorbis albus	
" vortex	
" umbilicatus	
" carinatus	One only. C.P.H.
" corneus.	
" contortus	
Physa font.	
Limnæa pereg.	
" auricularia	
" stagnalis.	
" palustris.	
Ancylus flur.	
Bith. leachii.	
" tentaculata	
Pal. jenkinsi.	
Valvata cristata	
" piscinalis	
Anodonta cygnea	
Sph. corneum.	
" rivicola.	
Pis. annicum	One fine spec. Var. elongata Bandon (A.S.K. ied).
" henslowianum	a few in River Colne.

(103)

Hampton Court. Middlesex
ABS. 16.11.07

Vitrea cellaria	
" nitidula	
Helix aspersa.	
" caperata?	
" hispida	
" rufescens.	
" cantiana	
Bulimus obscurus	
Unio tumidus.	
" pictorum.	

Byfleet, Wisley & Weybridge, Surrey
ABS. 17.11.07.

Agrio. agrestis.	
Vitrina pellucida	
Vitrea alliaria	
" cellaria	
" nitidula	
Helix rotundata	
" hispida	
" cantiana.	
" hortensis	
" aspersa.	
Pupa muscorum.	
Clausilia bidentata.	

Byfleet continued.

Succinea putris
Clausilia bidentata
Limnæa peregra.
" auricularia
" stagnalis
" palustris

Physa font.
Planorbis vortex
" spirorbis
" contortus
" corneus.
" umbilicatus
Unio tumidus
" pictorum
Anodonta cygnea.
Sph. corneum.
" rivicola.
Pis. pusillum?
" fontinalis?
" obtusale?
Neritina fluv.
Vit. viviparus.

Vallonia lucensis
See p. 148.

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Byfleet & Weybridge. Surrey.
AWS & C.P.H. 24.11.07.

Agrio. agrestis.
Arion hortensis.
" minimus.
Vitrina pellucida.
Hy. cellarius
" alliarius.
" nitidula.
" radiatula?
" crystallina.
Helix hispida.
" hortensis.
" nemoralis.
" aculeatum
Loch. labrica.
Clausilia bidentata
Bulimus obscurus.
Carychium min.
Vertigo edentula ? C.P.H.?
Succinea putris.
Limnæa peregra.
" stagnalis.
" palustris.
Physa fontinalis.
Planorbis vortex
" contortus
" albus.

Bayfleet continued.

Planorbis corneus.
" umbilicatus
Valvata piscinalis
Viviparus viviparus.
Anacylus fluv.
Byth. leachii.
" tentaculata.
Anodonta cygnea.
Unio tumidus.
" pictorum.
Dreissensia poly.
Neritina fluv.
Sphaerium corneum
" rivicola.
Pisidium nitidum
" fontinale.

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Leith Hill & Dorking, Surrey.

Agrio. agrestis	Type & var. brunnea. 1.12.07.
Limax arborum.	One spec. near Wotton House.
" maximus	also one with above. young.
Arion ater	Leith Hill.
" circumscriptus	Goldharbour.
" subfuscus.	Common.
Vitrina pellucida	Wotton Common.
Hy. falva.	Apparently common on Leith Hill.

Leith Hill continued.

Vitrea alliaria	Leith Hill.
" nitidula	Leith Hill & Goldharbour.
Helix rotundata	Wotton Common.
" pulchella	Goldharbour.
" hispida	Wotton Common & Leith Hill.
" rufescens.	Wotton Common.
" aspersa.	Wotton Common.
" cantiana.	Dorking
" fortensis.	Dorking. Dead only.
Bulimus obscurus	Wotton Common.
Clausilia bidentata	Leith Hill.

Purfleet. Essex South. 26.1.08.

Agriolimax agrestis.	common in chalk pits.
Arion fortensis	" " "
" fasciatus.	" " " "
Vitrea cellaria.	"
" nitidula	"
" crystallina	a few " " "
Helix pygmaea.	One specimen under stone.
" rotundata.	common.
" rufescens.	Dead only.
" hispida.	common.
" cantiana.	common.
" capseta.	Probably common, mostly dead.

Cuxfleet continued.

Helix aspersa.	common
" nemoralis.	common dead.
" costata.	common under stone.
Pupa muscorum.	Two specimens in chalk pits.
Succinoides oscicola.	One specimen under stone with H. pygmaea
Limnaea pereg.	common in Mar Dyke & in Rainham Marsh.
" palustris.	Mar Dyke
" stagnalis	One dead in Mar Dyke.
Physa fontinalis	Common.
Planorbis vortex	common
" umbilicatus	common.
Bythinia tentaculata	A few.
" leachii.	In Rainham Marsh.
Pal. jenkinsi.	Millions in Mar Dyke. None in Rainham Marsh.
Anodonta cygnea.	A few dead shells in Mar Dyke.
Sphaerium corneum	common.
" lacustre.	A few.
Pisidium pusillum	? Mar Dyke
" nitidum.	? Mar Dyke.

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Riddle's Down, Purley. Surrey.

AWS. 9.2.08.

Agrio. agrestis.	common.
Vitrina pellucida.	A few, but all dead.
Vitrea cellaria	Not many.
" nitidula	Very common.
" pura.	A few very large in old chalk pit above railway tunnel on Riddle's Down.
Helix rotundata	Common.
" hispida	Common, mostly var. hispidosa.
" pulchella.	common.
" costata	only one.
" cantiana	Common.
" aspersa.	Dead only.
" itala.	A small flat almost black form common (Dead) on south of Riddle's Down.
" virgata	Very common on Riddle's Down & above Purley.
" striata	Very common. = caperata Mont. A.W.S.
Pupa muscorum	A few dead.
Cochlicopa lubrica	Dead only.
Cyclostoma elegans	Dead only.

South Downs, north of Brighton, north slope between Poynings & Edburton. Sussex West

Agrio. agrestis.	Only a few seen. A.W.S. Feb. 17. 08.
Arion ater	Several, all young.
" subfuscus.	One specimen.
" hortensis	Common.
" fascicular	Common.
" minimus	A few. Not common.
Vitrina pellucida.	Only one spec. taken alive.
Vitrea crystallina	Common.
" cellaria	Dead only. Common & large.
" nitidula.	Very common.
" pura.	Type frequent dead & a few large spec. alive.
Helix pygmaea	Probably common. A few in moss with P. secale & Carychium minimum.
" rotundata	Common.
" hispida	The usual small "chalk hill" form very common.
" nemoralis.	Surprisingly common for uncultivated ground.
" nemoralis.	One young spec. which may have been H. hortensis.
" itala	Very common dead on top of Downs, not below.
" virgata	Common.
" striata }	Common. = caperata Mont.
" fasciolata }	A few above Edburton village = hispanica Mabille.
Cochlicopa lubrica.	Common, but not abundant.
Carychium minimum.	Very common.
Vertigo pygmaea	A few dead & one alive under flint.

Brighton continued.

Pupa secale	Very common at roots of grass & moss below Devil's Dyke.
" muscorum	Common.
Clausilia rolphii	Very common in long grass above Edburton
" tridentata	Devil's Dyke at base of hills.
" laminata	One spec. dead & several young alive.
Cyclostoma elegans	Very common.
Helix aspersa.	Very common dead.

Dengie Marshes, Southminster

Arion ater	Young. Essex South. AWS & CSH.
" hortensis.	Several. 23.2.08.
" intermedius.	One.
Vitrina pellucida	Common.
Vitrea cellaria	Dead.
" nitidula	Common.
" crystallina	One
Helix rotundata.	H. hispida (rare) H. nemoralis. H. cantiana
H. virgata. H.	caperata? (= hispanica) & striata (= caperata Mont.) H. nemoralis & aspersa all more or less common.
Pupa muscorum	One on sea dyke.
Pleurodiscus spiratus.	P. crista & P. contortus. All common.
Limnaea peregra.	Common. A high spired form. Succinea putris Young.
Paludestrina ventrosa.	Very common in brackish drain at Dyke.
Sphaerium corneum.	Dead.
Physa mysotis & Alexia	(denticulata? on Dyke.

West Drayton & Uxbridge. Middlesex
15. 3. 08.

Agrio. agrestis.
Arion hortensis
" subfuscus.
Vitrea cellaria
" nitidula.
" rogersi.
" crystallina.
Helix rotundata
" hispida
" granulata. Rejectamenta of Canal.
" rufescens
" cantiana.
" hortensis.
" aspersa.
Paludina vivipara
Bythinia tentaculata
Limnæa pereger.
" palustris
" stagnalis
" truncatula.
Physa fontinalis.
Planorbis vortex
" carinatus
" contortus
" corneus. Rejectamenta.
Sphærium corneum

West Drayton cont.

Sphærium rivicola
" pallidum?
Pisidium henslowianum. & Pis. superius, (A. Schmidt). (107).
Neritina fluviatilis
Bythinia leachii
" tentaculata

Ivor and Colne Brook ~~near~~ West Drayton, Bucks.
15. 3. 08.

Agrio. agrestis
" laevis.
Arion ater
" subfuscus
" hortensis.
Vitrina pellucida.
Vitrea cellaria
" nitidula
" crystallina.
Helix rotundata
" costata.
" cantiana
" hispida
" rufescens
" aspersa.

Colne Brook, Bucks. Cont.

Helix hortensis.
" nemoralis.
Buliminus obscurus
bythiospa latreia
Succinea putris — Young.
" elegans — Dead.
Planorbis crista
" fontanus
" carinatus
" vortex
" contortus
Physa fontinalis
Limnæa pereger.
" stagnalis
" palustris
" auricularia.
Acroloxus lacustris
Paludina vivipara
Bythinia leachi
" tentaculata
Valvata cristata
" piscinalis
Anodonta cygnea.
Unio pictorum.
Sphærium corneum
" rivicola
" lacustre.?

Pisidium amnicum.
" pusillum.

(108)

Gravesend & Chalk. 22.3.08.
Kent West.

Agrio. apestris.
Vitrea nitidula
Helix cantiana
" hispida
" rufescens.
" virgata
" aspersa.
" nemoralis.
bythiospa latreia
Cyclostoma elegans.
Limnæa pereger.
Assemania grayana.

Bottom under stones, along flames, just above high water, with Phytia myosotis.

Phytia myosotis
Paludestrina jenkinsi
" ventrosa.
"

South Downs, Brighton to Lewes.
Sussex East. 29. 3. 08.
AWS & CBH.

Agrio. agrestis.
Arion ater.
" hortensis
" fasciatus
" intermedius
Vitrina pellucida.
Vitrea cellaria
" alliaria
" nitidula
" radiatula
" pura.
" crystallina.
Helix. rotundata
" pygmaea.
" hispida.
" rufescens.
" cantiana.
rugata
" striata
" aspersa.
" nemoralis
" pulchella
" costata.
" itala.
Bulimus obscurus.

South Downs, Sussex East. Cont.

Cochlicopa lubrica
Pupa muscorum.
" secale.
Balsilia rupestris.
" bidentata
" laminata.
Succinea pfeifferi.
Vertigo pygmaea.
Azeloxona degans.
Limnaea peregra. Very abundant in a "dew pond" on top of Ditchling Beacon in company with Pl. albus & two species of Pisidia, about 15 yards would be dia. of Pond. altitude about 800 ft. also at Lewes.
" palustris.
Planorbis albus. In dew pond on Ditchling Beacon.
Neritina fluviatilis. Very abundant on weeds in rapid parts of River Cuckmere at Lewes.
Paludestrina jenkinsi. Lewes. Vars. carinata & coronata & type.
Pisidium pusillum Lewes. (109) & (110)
" obtusale
" nitidum
Ophrion lacustre "
also Pl. nautileus
17/11

Planorbis crista 109
with Pal. jenkinsi V.
from Lewes.
AWS. 10.1.10

Bottpore, Sussex West.
4.4.08.

Agrio. agrestis.
Arion hortensis.
Limax maximus.
Helix rotundata.
" hispida.
" aspersa.
" virgata.
" striata.
" cantiana.
" nemoralis.
Vitrea cellaria.
Helix hortensis.
" aspersa.
Limnæa peregra.
" palustris
" truncatula.
Planorbis spirorbis
Succinea putris.
" pfeifferi?

(111)

7.4.08.

Planorbis nautileus
Bythinia tentaculata
Succinea putris? Young.
Arion intermedius
" fasciatus.

South Downs. Bignor to Duncton.
Sussex West. 5.4.08.

Arion ater. Young.
" fasciatus Frequent
" intermedius Very common in the woods.
Agrio. agrestis. Common. Var. brunnea.
" laevis. The specimen at base of downs.
Vitrina pellucida Common.
Vitrea cellaria. Common.
" nitidula. Common.
" crystallina. Common.
" pura. Type very large & common.
" radiatula?
Helix rotundata. Common.
" hispida. Common. The usual "Downs" type.
" nemoralis. Common.
" cantiana. Common.
" virgata. Locally common.
" striata Common.
" carpenteri?
" obvoluta. Took eight specimens alive in deep lane near Bignor & about 7 dead. Two dead a bank of stream at Duncton & one alive in woods a Duncton Beacon. The first was in a scrubby bank ~~[illegible]~~ stream in company with. Helix arbustorum, H. hortensis. H. nemoralis. C. rolphi & C. tridentata. Most of them were "sealed" for winter.

Bignor & Duncton. cont.

Helix Lortensa.	Common.
" nemoralis.	Common. Some large dead shells in the woods on Duncton Beacon. The largest measuring mm. in diam.
" arbustorum.	In case with H. obsoleta at Bignor.
" aspersa.	Common.
Loch. lubrica.	Rare. One white specimen.
Cargchi min.	Common.
C. Clausilia rolphi.	Abundant at Bignor with H. obsoleta.
" bidentata	With above very common.
" laminata	Rare one dead & one alive on Duncton Beacon.
Pupa muscorum	Bignor.
Limnaea truncatula	Bignor.
Cyclostoma elegans.	Common.

South Downs. Petersfield & Buriton
South Harting. 6.4.08.

Agrio. agrestis	Common
Arion ater.	All under one stone
" Lortensis	
" fasciatus	
" intermedius	Common in woods.
Vitrina pellucida.	Frequent.
Vitrea cellarius.	
" nitidula	

Petersfield & Buriton. cont.

Vitrea pura.	All common under dead leaves on down.
" crystallina	
" fulva	
Helix rotundata	Common.
" pulchella	Common.
" hispida.	Common
" nemoralis	Common.
" Lortensis.	
" cantiana	All common
" aspersa	
" virgata	
" striata	
Cargchi min.	
C. Clausilia rolphi.	Buriton
Limnaea peregra.	Buriton.
Cyclostoma elegans	Common.

Midhurst, Sussex West. 6.4.08.

Agrio. agrestis	
Arion intermedius	
Helix rotundata	
" hispida	
" nemoralis.	
" Lortensis.	
Limnaea truncatula	
Pisidium pusillum?	

Didling.

Helix aspersa.
" cantiana
" Lortensis
" hispida
" nemoralis.
Vitrea nitidula.

NORMANDY TOUR, Easter 1908.

St. Aubin & district between Rouen & Pont de l'arche.

18.4.08.

Arion ater.	Ype.
" subfuscus.	Very brightly coloured.
" fasciatus.	Common.
" hortensis.	Common.
Vitrea lucida.	Very common, but nearly all young, at bases of walls among nettles &c.
Helix rotundata.	Common.
" nemoralis.	Common.
" aspersa.	Nearly all used as pas food.
" carthusiana.	Very common dead on chalk slope near St. Aubin.
" itala.	With latter. Common.
Pupa secale.	With latter. A few mostly dead.
" muscorum	" " " " "
Planorbis corneus.	In a small pond at St. Aubin.
Limnaea pereger.	The true continental type. With Pl. corneus.
Cyclostoma elegans.	Common.

2.2.1
2.11.5
11.1½

Château Gaillard & St. Pierre near Pont de l'arche.

19.4.08.

Arion ater	Common at both localities
" subfuscus.	" " " "
" hortensis	" " " "
" fasciatus	Château Gaillard.
" intermedius	" "
Agio. agrestis.	Common at Château Gaillard.
Vitrea lucida.	" " " "
Helix pygmaea.	In the ruins of the Castle under fallen stone
" pulchella.	" " " " " " "
" hispida.	In the castle & at St Pierre.
" carthusiana	" " "
" itala	Castle only.
" aspersa.	Common.
" pomatia	St. Pierre. Along bank of Seine.
" nemoralis.	Some nice specimens with white band also no 3 at St. Pierre. Mostly 00345. Var. libellula 00000 occurred in the ruins of the castle.
" rotundata	Common in the Castle.
Clausilia parvula.	Common in the Castle under stones.
Pupa muscorum	" " " " "
" secale.	" " " " "
" cylindracea	" " " " " Extremely large specimen & with very prominent tooth.

Château Gaillard & St Pierre cont.

Vertigo pygmæa	Common under stones in the Castle.
" minutissima	a few with V. pygmæa.
Bulimus obscurus	Common in the Castle.
Vivipara vivipara	Rejectamenta of Seine at St. Pierre.
Succinea putris.	Bank of Seine at St. Pierre.
Cyclostoma elegans.	Château Gaillard - common.

La bouille, on Seine. 21.4.08.
12 miles below Rouen.

Agrio. agrestis.	Common.
Arion ater.	Common.
" subfuscus.	a few.
" hortensis.	Common
" fasciatus.	Common.
" intermedius.	In the woods - common.
Vitrina pellucida.	a few dead in woods.
Vitrea lucida.	Very common.
" nitidula.	a few only.
" crystallina.	Dead only.
Helix rotundata.	Common.
" hispida.	Common.
" hortensis.	Common.
" nemoralis.	Common.
" aspersa.	Common.
" pomatia.	Young Specimen only.

La bouille continued.

Helix limbata	apparently very common in the old woods above La bouille & also in the "Forêt de La Londe".
" lapicida.	a few young at roots of trees.
Clausilia rolphii.	Common.
" laminata.	One specimen.
"	
Bulimus obscurus.	Common.
Cyclostoma elegans.	Common.

Bazeux. 23.4.08.

Vitrea lucida	all at base of wall in Goods station.
"	
Cochlicopa lubrica	
Helix rotundata	
" hispida.	
" aspersa.	
Agrio. agrestis.	

Caen. 24.4.08

Limnæa peregra.	In a stream at the South side of the Abbaye aux Hommes.
form ovata	

Graveyard of St. Nicholas Church. Caen. 24.4.08.

Agrio. agrestis.
Arion hortensis.
Vitrea lucida
" helvetica, Blum. Identified by radula as this species by E. W. Boswell.
" nitidula. Form nitens
Helix aspersa.
" rotundata.
" nemoralis.
" hispida.
Pupa cylindracea
Clausilia bidentata Form Cl. rugosa.

Allemagne, near Caen. 24.4.08.

Agrio. agrestis.
Arion fasciatus
" hortensis.
Vitrea nitidula. Form nitens
" ~~rogersi~~. V. helvetica Blum ?
" lucida.
Helix rotundata
" hispida.
" nemoralis.
" aspersa
" rivgata Dead only.

Allemagne continued.

Helix itala.
" cartusiana Dead only.
" barbara. In ballast on roadside. Probably brought from the coast.
Cochlicopa lubrica.
Clausilia bidentata & Cl. parvula.

Canal de Mer &, Caen. 25.4.08.

Agrio. agrestis
~~Limax maximus~~
Arion ater.
Vitrea cellaria.
" lucida.
" ~~rogersi~~. ? V. helvetica Blum ?
" nitida.
" fulva.
Helix rotundata
" hispida.
" rivgata.
" aspersa.
" nemoralis.
" cartusiana.
" costata.
Cochlicopa lubrica.
Clausilia bidentata.
Succinea pfeifferi.

Caen continued.

Planorbis vortex	& P. spirorbis. (?)
" umbilicatus	
Physa fontinalis.	
Limnæa pereger	Form ovata.
" stagnalis.	
" palustris.	
Bythinia tentaculata.	
Valvata cristata.	
Sphaerium corneum.	
Pisidium pusillum	(113)
" globulare.	

Forêt Roumare, north of Rouen. & Boscherville. 26.4.08

Agrio. agrestis.	
Limax arborum.	
Arion ater.	~~Ra~~ Var. rubrum.
" fasciatus.	
" hortensis.	
Vitrina pellucida.	
Vitrea cellaria.	?
"	
" nitidula.	Type.
" radiatula.	

Forêt Roumare continued.

Helix rotundata	
" fusca.	One very young specimen.
" hispida	
" nemoralis.	
" aspersa.	
" itala.	
" limbata.	Very common.
" lapicida.	
Pupa muscorum.	On the Abbey walls at Boscherville.
Clausilia rolphii.	
" laminata.	
" fidentata.	
Succinea	Young.
Cyclostoma elegans.	

Chiltern Hills, Wendover to Princes Risborough.

AWS & C.P.H. 3rd May 1901.

Limax arborum.	On trees & in garden at Buckh.
Agrio. agrestis.	Common.
Arion ater.	Common.
" hortensis.	Rather scarce.
" intermedius.	Under beech leaves.
" fasciatus.	Common.
Vitrina pellucida.	A few dead.
Vitrea cellaria.	Common.
" nitidula.	Common. Var. nitens.
" alliaria.	One specimen in wood.
" radiatula	In moss on downs. C.P.H.
" pura.	Under leaves in wood.
" crystallina	Common.
" fulva	In wood under leaves.
" rogersi.	Near Church.
Helix pygmaea	On downs near Princes Risborough.
" rotundata	Type & var. alba.
" hispida	Common.
" nemoralis.	Common.
" aculeata.	Under leaves in wood.
" pulchella.	In moss on downs.
" itala	Common.
" virgata	Dead only.
" caperata.	A few dead. = fuscolabra - hispida var. Mel.
" striata	A few alive on downs. = caperata Mont.

Chiltern Hills continued.

Helix hortensis.	Common.
" nemoralis.	Common.
" arbustorum	Very common, all along roadside, in hedges. Var. flavescens,
" lapicida	A fair number on trees in woods.
" cantiana	Common.
" aspersa.	Common.
Cochlicopa lubrica	A few in woods. Very small.
Balimus obscurus.	Common.
Clausilia bidentata	Common.
" laminata	Very abundant in hedges & on trees. One var. albina.
Pupa muscorum	On downs.
" secale	On downs, two specimens dead.
Vertigo pygmaea	Two specimens in pass with Pupae.
Carychium minimum	Common.
Limnaea peregra.	Pond near Church.
Planorbis contortus	" " " "
Sphaerium corneum.	" " " "
Cyclostoma elegans	Very common.

Amberley & Bognor. Lindsey West.
AWS & CPA. 17th May. 08.

Limax arborum
Agrio. agrestis.
Arion ater
" subfuscus
" intermedius
" fasciatus.
Vitrina pellucida.
Vitrea cellaria
" nitidula.
" pura.
" crystallina.
Helix hispida.
" rufescens.
" cantiana.
" rotundata.
" aspersa.
" virgata.
" obvoluta.
" hortensis.
" nemoralis.
" aspersa.
" arbustorum
" lapicida. Dead only.
Cochlicopa lubrica.
Balimus obscurus.

Clausilia rolphii
" laminata.
" bidentata.
Cyclostoma elegans
Limnaea peregra
" palustris
" stagnalis
" truncatula
Physa fontinalis
Succinea putris.
Planorbis corneus.
" umbilicatus
" contortus
" spirorbis.
Valvata cristata
Bythinia tentaculata
Pabudestrina confusa. a few alive in small drain in fields
1st Record alive for South Coast. tendering on Rivers Arun, one mile above Amberley station. Verified by A. S. Kennard. 8.7.08.
Sphaerium corneum
Pisidium pusillum
" obtusale.

(114)

Ranmore Common, near Dorking, Surrey.
AW.S. 24.5.08.

Limax arborum
Agrio. agrestis.
Arion ater
" fuscatus
" hortensis.
" intermedius
Vitrina pellucida.
Vitrea cellaria.?
" nitidula.
" rogersi.
" alliaria
" pura.
" crystallina.
Helix rotundata
" hispida
" rufescens.
" cantiana.
" itala.
" striata. Dup. = carpenteri Mont.
" hortensis.
" nemoralis.
" aspersa.
" pomatia.
Cochlicopa lubrica.
Azeca tridens Dead only, on chalk slope above Dorking.

Carychium min.
Clausilia bidentata
" laminata.
Cyclostoma elegans.

Penshurst to Tonbridge. Kent & West
AW.S. & Kennard & Rev. E.W. Bovell.
30.5.08.

Agrio. agrestis.
Limax maximus.
Arion hortensis
" intermedius
Vitrina pellucida.
Vitrea cellaria.
" alliaria.
" nitidula.
" radiatula.
" crystallina.
Helix rotundata
" hispida.
Cochlicopa lubrica
Pupa anthivertigo
" spiroptis.
" umbilicata
" cylindrica.
Pupa fauciadens.
Limnaea pregra

Limnaea palustris.
" truncatula
Ephemia corneum
" lacustre ✓
Pisidium pusillum
" fossianum
" pulchellum (115)
" casertanum ?

Petersfield & Stoner Hill. Hants South.
ABS. 31. 5. 05.

Limax maximus.
" arborum.
Agio. agrestis.
Arion ater.
" subfuscus.
" fasciatus.
" intermedius.
Vitrina pellucida
Vitrea cellaria
" alliaria
" pura.
" nitidula
" crystallina.
Helix rotundata
" pygmaea.
" hispida.
" rufescens.
" cantiana
" lapicida.
" Lortensis
" aspersa.
" caperata Mont. = fasciolata Poiret = Lenkensis Moitille.
Cochlicopa lubrica.
Pupa cylindracea

Vertigo edentula
Pupilla bidentata
" laminata.
" pallidula.
Carychium minimum.
Cyclostoma elegans.
Planorbis crista
" fontanum
" albus.
Limnaea stagnalis
" peregra.
" truncatula.
Pisidium pusillum

(116)

~~Where found? Probably P. casertanum~~
Ancylus lacustris.

Southampton South Hants. ABS. & RWell 7.6.05.

Agio. agrestis.
Arion subfuscus.
" hortensis
Helix hortensis
" aspersa.
" hispida.

New Forest - Lyndhurst. Hants bank.
AWS & R. Welch. 7.6.98.

Limax arborum.
Agris. aperta.
Arion ater.
" subfuscus.
" hortensis.
" fasciatus.
" intermedius
Vitrea cellaria
" alliaria
" fulva.
" excavata.
Helix rotundata
" hispida.
" rufescens.
" nemoralis.
Cochlicopa lubrica.
Aplexa hypnorum.
Succinea Pfeifferi.
Anglo fluviatilis.
Limnæa pereger.
" truncatula
" glabra.
Planorbis spirorbis + P. leucostoma.
Ophiar corneum.
Pisidium pusillum
" casertanum

(117)

River Wey & Hog's Back, Guildford. Surrey.
AWS & CPH. 14.5.08.

Agris. aperta.
" laevis.
Arion ater.
" intermedius
Vitrina pellucida
Vitrea cellaria.
" nitidula
" radiatula
" crystallina
" fulva.
" nitida.
Helix rotundata
" hispida.
" rufescens.
" cantiana.
" capenata.
" virgata
" hortensis
" nemoralis
" aspersa.
" excentrica.
Pupa muscorum.
Clausilia ~~fulvata~~
" laminata
Cochlicopa lubrica.

Guildford continued.

Gelostoma elegans
Succinea putris
" elegans.
Anesfan fluv.
Limnaea pereg.
" palustris
" auricularia
" stagnalis
" truncatula
Physa fontinalis
Aplecta hypnorum
Planorbis albus
" vortex
" spirorbis
" contortus
" corneus.
" fontanus
" carinatus
" umbilicatus
Paludina vivipara
Bythinia tentaculata
" leachii
Paludestrina jenkinsi
Valvata piscinalis
" cristata.

Guildford Continued.

118

Sphaerium corneum.
Pisidium pusillum
" amnicum
" henslowianum
" rotundatum?
Anodonta cygnea.

Punch Bowl, Hindhead Botton & Witley Survey. AWS & CPH. 21. 6. 08.

Agrio. agrestis
" laevis.
Arion ater
" hortensis
" fasciatus
" intermedius
Vitrina pellucida
Vitrea nitidula
" radiatula
" crystallina
" alliaria
" fulva.
" excavata C.P.H.
" nitida.
Helix rotundata

Hindhead continued.

Helix hispida	
" nemoralis.	
" cantiana	
" caperata.	
" nemoralis.	
" hortensis.	
" aspersa.	
Cochlicopa lubrica	
Carychium minimum	
Pupilla muscorum	
Vertigo substriata	In damp moss near stream in Hindhead Bottom.
" antivertigo	One specimen with next species.
" moulinsiana	21 specimen taken by shaking cut moss near the source of the Way on Road to Godalming from Haslemere. Hammer Pond
Pupa cylindracea	
Succinea putris	
Bulimus obscurus	Dead near Witley.
Limnaea pereger.	
" truncatula	
Planorbis albus	
" spirorbis	
Pisidium ~~pulchellum~~	Cassiteum personatum
" henslowianum	✓
" nitidum	✓
" subtruncatum	✓
" obtusale	✓

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were seen for 18. Sept 1911 J. W. H.

Down to Deal. Kent ~~West~~ East
AWS. 2.7.08.

Vitrea cellaria.	
Helix nemoralis	
" hispida	
" virgata.	
" striata	= Caperata Mont.
" itala	
" cantiana	
" carthusiana	
" aspersa.	
Pupa muscorum	

Penzance. (Within radius of 5 miles.)
Cornwall west. AWS. 4th–7th July 1908.

Agrio. agrestis	Common.
Arnelia gagates.	Rare. Probably owing to great heat.
Arion ater.	Type trans. burnea + obtusalis. Both common.
" subfuscus.	Common + very brightly coloured.
Zon. nitidum	a few near Marazion.
Helix rotundata	Common.
" hispida	a few, but rare
" granulata	along Marazion Road, apparently common.
" virgata	Common.
" barbara.	Common.
" aspersa.	Common.
" nemoralis.	Common.
" hortensis	Common above Mousehole.

Penzance continued.

Cochlicopa lubrica.
Pupa cylindracea.
Succinea putris
Limnæa palustris
" pereger.
" truncatula
Planorbis spirorbis
Pisidium pusillum. (120)

Zennor & St Ives. Cornwall West.
AWS. 5.7.08.

Agrio. aperta.	Common
Limax arborum.	"
Arion ater	"
" subfuscus.	"
" hortensis	Rare.
" fasciatus	Rare.
Vitrea cellaria	
" alliaria	
" subrotata?	
" nitidula	
Helix rotundata	
" hispida	
" granulata	Common at "Chapel Farm" near Kennack Head.
" aspersa.	
" nemoralis.	

Zennor continued.

Bulimulus tridentatus.	Rare.
Succinea pfeifferi	
Anodon flavicatis	
Limnæa truncatula	
Pisidium pusillum.	(121)

"Logan Rock" to Lands End. Cornwall West
AWS. 6.7.08.

Agriolimax agrestis	
" laevis.	
Arion ater	
Vitrina pellucida	
Vitrea cellaria	
" ~~[illegible]~~	
" ~~[illegible]~~	(V. schaffi according to E.W. Bowell) ("Tommy Rot")
" ~~[illegible]~~	
" ~~[illegible]~~	
Helix rotundata	
" ~~[illegible]~~	
" granulata	common.
" revelata.	Two specimens & many young ones under stones by stream running into Mill Bay, 1½ miles east of Lands End.
" aspersa	
" nemoralis.	

Lands End continued.

Helix virgata	
" caperata	(striata Drap)
" barbara.	
Cochlicopa lubrica.	Rare
Carychium minimum	Common
Pupa cylindracea.	Common
Succinea Pfeifferi	Rare.
Anodon fluviatilis	Common.
Pisidium pusillum.	Common. (122)
Glandina tridentata	Rare

St Just, Cape Cornwall to Lands End & White sand Bay. Cornwall ext. W.J. 7.7.08.

Limax arborum.
Arion ater.
Vitrina pellucida.
Vitrea alliaria
"
Helix rotundata
" revelata — Fairly common under granite boulders in grassy slopes. Not too low down, but usually 150-200 ft above sea.
" virgata — Often like H. Drap's Bog shells. B.B.
" caperata — (striata Drap)?

White sand Bay continued.

Helix itala	Scarce.
" barbara.	
" nemoralis	
" aspersa.	
Cochlicopa lubrica	
Pupa cylindracea	
Succinea Pfeifferi	
Anodon fluviatilis	
Limnæa truncatula	

Norway Trip 1908.

17th July – 14th August

Bergen 17th July.

Agrio. agrestis	All in small plantation next to Railway station.
Arion fuscatus	
Helix lapicida.	

Bergen & Meinde 14th August.

Agrio. agrestis	On shore of lake near Meinde Station
Arion fuscatus	" " " " " "
Limnæa peregra.	& L. truncatula. The L. peregra is similar to the form found in Sneheim L., Achill Island.
Cyclostoma obtusale	In lake & stream.
" cassianum	=globulus (?). (123)
" nitidum	

Verified by G.O.S. 23-12-1907.

Vatrahalsen, July & August 2,500 ft alt.

Limax arborum.	Fairly common. Pale form, same as on Orkney.
" C-nigra.	Two full grown & one young: near Feltaft. Vars. black & brown.
Agrio. agrestis.	Common in gorge below fall. (Kjøsfos)
Arion ater	Rare
" subfuscus.	Very common.
Vitrina pellucida	Very common in woods.
Vitrea pertinella	Very rare in gorge below Kjøsfos.
Euconulus fulvus	Very common & large.
Helix ruderata.	About ½ dozen under tree in the gorge.

Frethein 20.7.08.

Cochlicopa lubrica.	

Flaamsdal 12.8.08.

Limax arborum.	Common.
" tenellus.	One large specimen near Flaam.
Agrio. agrestis.	Common.
Arion ater	Rather scarce.
" subfuscus	Very common.
Vitrina pellucida.	
Vitrea ~~subitha~~ or petronella	Rare
Euconulus fulvus	Common.
Clausilia tridentata	Not at all common.
Coch. lubrica.	A few var. vitrina.
Helix arbustorum	Very common & small. Vars. flavescens & fusca.
" lapicida.	On stones at roadside for 2 miles above Höga Bridge.
" ruderata	Frequent, but nowhere abundant.
" excentrica	Near Flaam, probably common.

Feltaft 3,000 ft alt.

Limax arborum.	All in woods, along lake.
Arion subfuscus	
Vitrina pellucida	
Helix arbustorum	
" ruderata.	

Finse. Norway. 4,500-5000ft alt.

Arion subfuscus	One specimen on lake shore.
Helix arbustorum	Two large specimens about 700ft. above railway station.

Collected by T. Ralph Ross at Fefa, Sudhredsdal, Norway — July 1908.

(124)

North-west Donegal 5th–15th Sept. 1908
all in Donegal West. (35).
See. I.N.

Horn Head, Ramore. 5.9.08.

Agrio. agrestis	
Arion hortensis	
" ater	On mainland.
Vitrea cellaria	
Helix itala	
" caperata	All over the grass slope above bridge & not in 'circus ring' as in Sept. 1905. = H. intersecta, Poiret
" rufescens	In ruins of cottage at Horn Head end of bridge & along roadside near Dunfanaghy. Not here in 1905!
" hispida	Var. concinna.
" acuta	
" aspersa	On Mainland.
" nemoralis	
Cochlicopa lubrica	
Succinea pfeifferi	
Limnæa pereger	
" truncatula	
Pupa cylindracea	
Clausilia bidentata	
Pisidium fontinale.	

(125.)

Horn Head, Dunes at Tramore & Pollenguil Bay. 6.9.08.

Limax arborum	
Agrio. agrestis	
Arion ater	
" intermedius	
" subfuscus.	
Vitrina pellucida	
Vitrea hibernica	
" schauffi.	
" alliaria	Type + var. viridula.
" radiatula	
Helix lisfeldo	
" rufescens	
" caperata.	Pollenguil Bay very common, but local.
" nemoralis.	Very weathered & heavy specimen at Pollenguil.
" histe	At Tramore the 'coalita' form with white lip is
" acuta	very predominant.
" aspersa.	
" excentrica ✓	Both correct!
" costata. ✓	G.J.S. 1924.
" rotundata	+ Var. alba.
Cochlicopa lubrica	
Succinea schumacheri	Near McFinn's Gun in small marsh.
Pupa cylindracea	
" muscorum.	
Vertigo pygmaea	
Balea perversa.	
Clausilia bidentata	a very small form near McFinn's Gun.

Succinea pfeifferi
" putris
Pupa marginata
Pupilla muscorum

Kill Lough & shore, at or near Dunfanaghy. 6.9.08. per Chester & Wright.

Limacia prunum	
" arcularia	Var. acuta
" palustris.	
" truncatula	
Planorbis spirorbis	True P. spirorbis? No P. leucostoma.
Pisidium pusillum	
" milium	(126)
Vitrea radiatula	
" crystallina	
" fulva.	
Agrio. agrestis	
Arion ater	Var. brunnea.
Helix aculeata	
" lamellata.	
Vertigo pygmaea ?	

Lessie's Lough. 6.9.08. per J. N. Milne.

Arion ater	
Jun. nitidus	
Vertigo pygmaea	
Pupa cylindracea	
Paludestrina stagnalis.	One specimen of this species in pool near road, with operculum in position, but lost before it was proved to be alive or not.

Dunfanaghy & Ballyness. 7.9.08.

Arion ater.
Vitrea hibernica
" nitidula.
Helix hispida
" hortensis — One dead typical example taken in flood refuse at Ballyness by F. Balfour Browne.
" fusca. — Liveal in flood at Ballyness.
Pl. spiratis.

Helix nemoralis.

Magheragallan Church near Bunbeg. 8.9.08.

Agrio. apertus
Limax arborum, — Very large.
Vitrina pellucida
Vitrea alliaria — Mostly type.
Arion ater
" subfuscus.
Helix nemoralis — Some very small spec. in grave yard.
" aspersa — Not so common as in 1905.
" italica
" acuta
" hispida
" rotundata

Below Hotel at Bunbeg.

Arodia gagates. — Very large.

Carrickfin Peninsula, 8.9.08.

Limax arborum
Agrio. apertus
" laevis
Arelia gagates
Arion ater
" subfuscus
" intermedius
Vitrina pellucida
Vitrea cellaria
" nitidula
Zon. nitidus
Euconulus fulvus
Vitrea radiatula
Helix pygmaea
" italica
" acuta
" aspersa
" nemoralis — Form citrinozonata & roseozonata.
Pupa lubrica
Carychium minimum
Vertigo pygmaea
" antivertigo
" substriata
Succinea putris
" cylindrica
" anglica.

Carrickfin Peninsula cont.

Succinea pfeifferi
Limax maximus — Var. Boissyi in Cowtoy lake. White spec.
" arcionlanus — Var acuta.
" truncatula
Planorbis crista
" glaber
" spirorbis } The former in the latter & the latter in a ditch
" leucostoma } near James Boyd's farm.
Pisidium pusillum
" fontinalis
" milium

(127)

Wood at Lough Gloghamacnaghten near Gweedore Hotel 9.9.08.

Limax arborum
agrio. agrestis.
" laevis.
Arion ater
" subfuscus
" intermedius
Vitrina pellucida.
Vitrea radiatula
" alliaria + var.
" nitidula + var helmii.
Helix rotundata
Cock. lutea.
Pupa anglica
Sphyradium edentulum

Bunbeg Land Dune. 10.9.08.

Arion fuscus
Limax arborum
agrio. agrestis.
Vitrina pellucida
Vitrea lithuanica
Helix hispida
" nemoralis
" aspersa.
" italica.
Amalia gagates.

Helix acuta.

Mullaghderg. 11.9.08.

agrio. agrestis
" laevis
Amalia gagates
Arion ater
" intermedius
Vitrina pellucida
Vitrea alliaria
" nitidula
" radiatula
Jon. nitidus
Helix nemoralis
" aspersa
" italica
" acuta.

Shore of Lough Hoff.
V. communis. Many drowned by floods.

Mullaghderg continued

Carychium min.
Vertigo pygmaea
" antivertigo
Pupa anglica. V. rare.
" cylindracea
Limnaea pereger.
" truncatula
Succinea pfeifferi
Pisidium pusilla ?

(128)

Inishmeane, off Burtoy.
12.7.08.

Agrio. agrestis
" laevis
Arion ater
" hortensis
" intermedius
Vitrina pellucida
Vitrea alliaria
" cellaria = hibernica
Helix excentrica. ✓ Correct! A.S.S. 1924.
" itala
" nemoralis
" acuta
" rotundata
Pupa cylindracea
Balea perversa
Clausilia bidentata
Planorbis crista.
Coch. lubrica
Limnaea pereger
Mr. Boirgi.

Pelo. wood. Vert. antivertigo
C. aculeata Vert. pygmaea
Hy. pura Vert. pusilla
Coch. lubrica " pulchella
" minima " antivertigo
C. bidentata C. pulchra
C. acuta C. pygmaea
D. acuta Hy. alliaria, jun
H. nemoralis Succinea stelle.

Gola Island, off Burtoy.
12.7.08.

Agrio. agrestis
" laevis.
Arion ater
" hortensis Very pale in colour. (?) Probably A. intermedius and. 1911.
" intermedius
Vitrina pellucida
Vitrea alliaria
Helix excavata
" rotundata
" nemoralis
" aspersa. Dead only. (Milne).
" itala
" acuta.
Pupa cylindracea
Cochlicopa lubrica.
Limnaea pereger.
" truncatula
Pisidium ~~pusilla~~ (130)
" " obtusale ✓ Beaty Water form.

Dunleary. 13. 7. 08.

agrio. aperta	
" lævis.	
Limax arborum	
" maximus	(G.W. Charter).
Arion ater	
" subfuscus	
" hortensis	
" fuscicolor	
" intermedius	
Vitrina pellucida	
Vitrea (Hyalinia)	Near Gordon Station.
" (Polita)	" " "
" alliaria	
" nitidula	+ var. helvi.
" crystallina	
Jon. excavatus.	Much commoner than in 1908.
Helix rotundata	
" hispida.	
" nemoralis	
" fusca.	
Acrol. lubrica	
Bayoti minus	
Limnæa pereger	
" truncatula	
Clausilia bidentata	
Balea perversa	

Dunleary. continued

Pupa cylindracea	
Vertigo pygmæa	
" edentula.	
Acme lyla fluviatilis	
Planorbis spirorbis	
Unio margaritifer	Near Gordon station in Glady River.
Pisidium pisidium	
" fontinale	
"	
	Inuit Island north of Burton Port. 14/9/09.
agrio. aperta	
" lævis	
Limax arborum	
Arion ater	Big & black.
" intermedius.	almost black. Identified by W.D. Roebuck as A. hortensis. But Milne & I both think he was wrong. It was only like A. hortensis in colour.
Vitrina pellucida	
Vitrea alliaria	+ var. viridula.
Helix pygmæa	
" excentrica	Correct! G.B.S. 1924
" costata	
" hispida	+ Milne)
" itala	V. large.
" acuta	

Inch Island continued.

Helix nemoralis
" aspersa.
" rotundata (Miles)
Bargchin minus
Pupa muscorum
Vertigo antivertigo
" pygmaea.
Succinea Pfeifferi
" putris
Limnaea pereger
" truncatula
Planorbis crista
" glaber
" spirorbis.
Pisidium nitidum
" pusillum
?

Pis pulchellum? (132)

Keadew Sand Dunes (Keadh)

15.9.08.

agrio. apertus — also on Inishkeeny
" lævis
amalia gagates
arion ater
" intermedius
Vitrina pellucida — also on Inishkeeny
Vitrea alliaria — " " "
" radiatula

Keadew continued

Helix rotundata
" hispida
" nemoralis — also on Inishkeeny
" acuta. — also on Inishkeeny
" itala — also on Inishkeeny
" cortata — On Corrie Island only. ~~Also on two [illegible] Sheets from Inishkeeny~~
Bith. tentaculata.
Bargchin minus
Pupa cylindracea — On Corrie Island.
Vertigo pygmaea — also on Inishkeeny
" antivertigo
Aplexa hypnorum
Limnaea pereger — Var. Boissyi + ovata (small).
" auricularia — Var acuta.
" palustris
" truncatula
Planorbis crista
" glaber
" spirorbis
Pisidium nitidum
" pusillum
" pulchellum

(133)

Succinea elegans — Typical spec. by stream in Sand dunes.
" putris — On Inishkeeny

Pulchellum for Atlantis Lough

Magilligan, Co. Derry. 17.9.08.

Agrio. apestris	
Arion ater.	
" subfuscus	
" hortensis	
" fasciatus	
Vitrina pellucida	
Vitrea alliaria	
" nitidula.	at Downhill
" crystallina	dead.
Helix hispida	
" rufescens	above Downhill on road to Castlerock.
" aculeata	
" rotundata	
" nemoralis	
" hortensis	With H. rufescens near Downhill. All lifeless [illegible].
" itala	
" acuta	
" aspersa	
Bochliopa lubrica	
Pupa cylindracea	
Clausilia bidentata	
Limax pseudo	
" truncatula	
Planorbis spirorbis	
Valvata piscinalis	
Cyclas pusillum.	

(134)

White park & Ballintoy. Co. Antrim.
18.9.08.

Agrio. agrestis	
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
" intermedius	
Vitrina pellucida	
Vitrea hiberna	
" nitidula	
" radiatula	
" pura.	
" crystallina	
" fulva.	
Helix rotundata	
" hispida	
" aculeata	
" nemoralis	
" aspersa	
" itala	
" acuta	
" rigata	
Boch. lubrica	
Carychium min.	
Pupa cylindracea	
" anglica	Var. pallida & alta.

And.

Vertigo pygmaea
" substriata
" edentula
Clausilia bidentata
Acme lineata.

Murlough Bay – Co Antrim. 19.7.08.

Agrio. apertis
Limax arborum
" maximus
Arion ater
" hortensis
" subfuscus
" fuscicolus
" intermedius
Vitrina pellucida
Vitrea lucinica
" alliaria
" nitidula
" crystallina
Helix rotundata
" hispida var. alba.
" nemoralis
" arbustorum
" aspersa.
Buch. lutrica
Clausilia bidentata
Bulea pavera
Pupa cylindracea.

Donaghadee, Millisle & on to Ballyhalbert.
Co Down. 24-27. Sept. 08.

Agrio. apertis
Arion ater
" hortensis
" fuscicolus
" intermedius
Vitrina pellucida
Vitrea nitidula.
" nitidula
" crystallina
Helix rotundata
" hispida
" nemoralis
" aspersa
" acuta near Bally Halbert.
Pupa cylindracea
Buch. lutrica
Bulea pavera V. common on all walls near sea.
Clausilia bidentata
Vertigo pygmaea

Vitrea petronella June 1st 1909 at Millisle!?
Arion subfuscus
Vallonia excentrica } Both found at Millisle Village
& Helix rotundata } Nov. 28th '09.

Collin Glen, Belfast. Co. Antrim
A.W.S. + R.W. 3.10.08.

Agrio. agrestis
" lævis
Limax arborum
Arion ater
" subfuscus
" hortensis
" fasciatus
Vitrina pellucida
Vitrea crystallina
" pura.
" nitidula
" fulva.
Helix rotundata
" lapicida
" nemoralis
" fusca.
Arch. lubrica.
Bargchiania
Pupa anglica.
Clausilia bidentata
Vertigo edentula
Anglus fluviatilis

(Helix aspersa occurs in the upper part of the glen + H. hortensis in the lower part).

Kinnegar, Holywood, Co Down. 4.10.08.

Agrio. agrestis
" lævis
Arion ater
" intermedius
" fasciatus
Vitrea radiatula Var. viridula.
" crystallina
Bargchiania
Limnæa pereger
Planorbis nautileus
" spirorbis } living near each other but seemingly keeping
" leucostoma } to different drains, although they overlap in areal
Succinea pfeifferi
Anglus fluviatilis
Pisidium pusill
" obtusale
" pulchellum

? All Pl. leucostoma, but of two forms.
G.W.S.

135

Ballycastle, Co Antrim, E. Survey
G.W.S. 29-3-09

Bank of Mouth 135A

Clare Island Survey. Easter, 1909.

Achill Island near Sound. 8th April.

Limnæa truncatula — In pools along roadside.
Pisidium pusillum — ? = personatum B.B.W.
" obtusale & var. consobrina (Identified by J. W. Taylor.) = casertanum B.B.W. (136)

In Woods north of Mr Pike's house,

Apio. apestis
" laevis
Arion ater
" hortensis
" intermedius
Zon. excavatus — only type seen here. Very common.
Euconulus fulvus. — Common.
Sphyradium edentulum — Several specimens.

In Trabeen Lough

Limnæa peregra. — a very small form resembling var. lacustris.
Pisidium nitidum & — Fairly common. Verified by J. W. Taylor. = obtusale, B.B.W.
" obtusale, pusillum & lilljeborgi (B.B.W.) (137)

along shore north of Achill Sound.

Vitrea radiatula
Zon. excavatus. — One specimen of var. viridula
Punctum pygmæum. — One specimen.
Sphyradium edentulum
Pupa cylindracea.

9th April 09.

Clare Island to N.E. Harbour to Area No. 3.

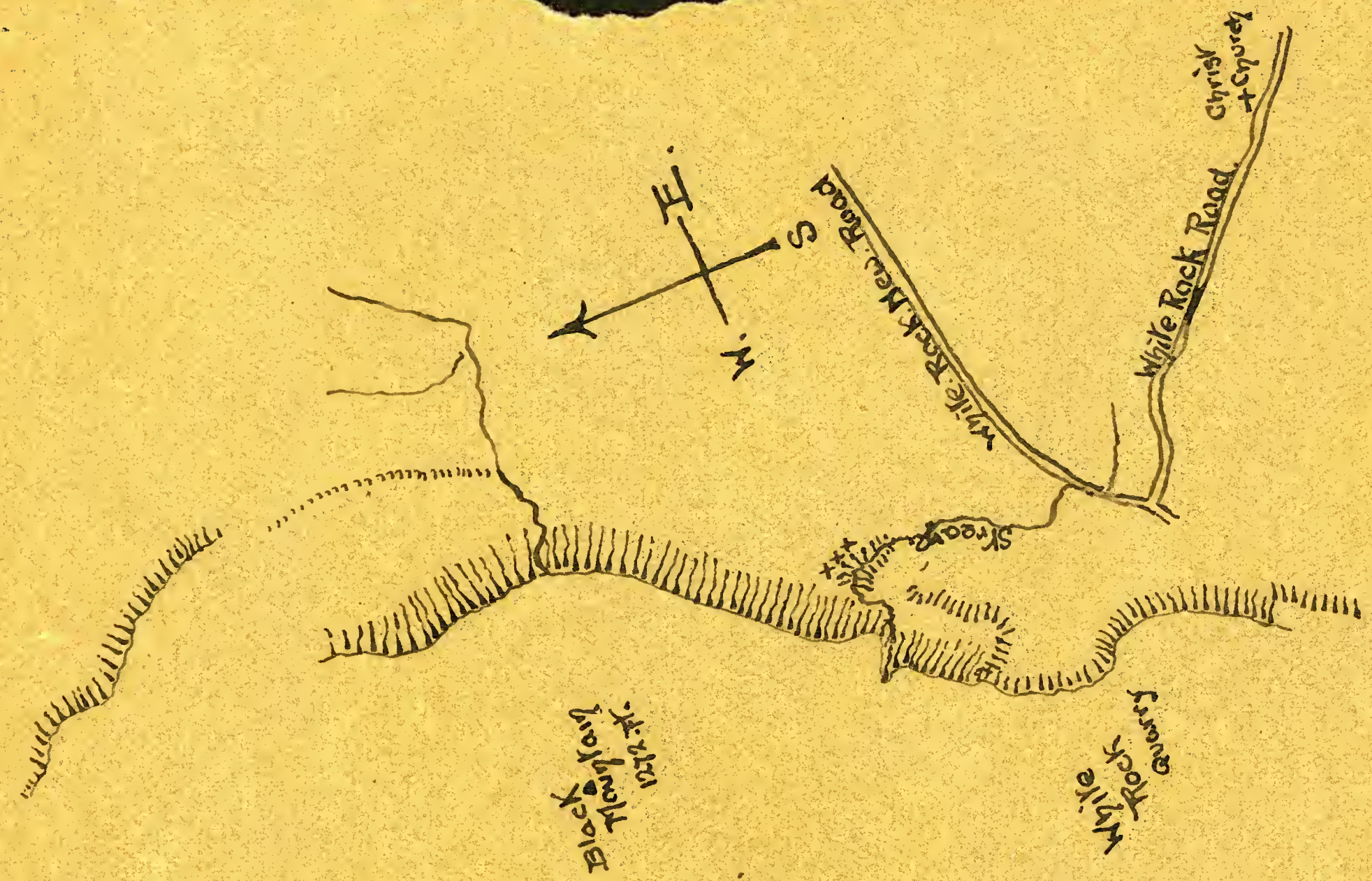
Arion ater — All specimens of more of less banded.
" subfuscus — common.
" fasciatus — fairly common in places.
Agriolimax agrestis — Attack all for summer
" laevis. — Rare
Vitrea radiatula — Rare
Zon. excavatus — Rare
Helix hispida — common — Cliff of road up to school house.
" rotundata — common.
Pupa cylindracea — common.

Area No. 1 — Shore of Kempel Aoullin near Mauam.

Arion ater
" subfuscus
Agriolimax laevis
" agrestis
Limax arborum — One very pale specimen with very black spots.
Succinea — Young specimen very common around Lough.
Vertigo antivertigo — common — regulations alive
Limnæa truncatula — common.
Planorbis spp. — Only one young specimen seen here.
Pisidium pusillum

(138)

Seen Mar 12 - 23 - 09.


White Rock Road
Christ Church
White Rock Mill Road
Stream
S
W
E
Black Rock Quarry
White Rock Quarry

Clare Island Survey. Easter, 1909.

Achill Island near Sound. 8th April.

Limnæa truncatula	In pools along roadside.
Pisidium pusillum	? = personatum B.B.W.
" obtusale var. exacuticosta	(Identified by J. W. Taylor.) = exacuticosta B.B.W. (136)

In Woods north of W. Pike's House,

Agrio. agrestis	
" laevis	
Arion ater	
" hortensis	
" intermedius	
Zon. excavatus	Only type seen here. Very common.
Euconulus fulvus.	Common.
Sphyradium edentulum	Several specimens.

In Srahkeen Lough

Limnæa peregra.	A very small form resembling var. lacustris.
Pisidium nitidum	Fairly common. Verified by J. W. Taylor. = obtusale, B.B.W.
" obtusale, pusillum & lilljeborgi (B.B.W.)	(137)

along shore north of Achill Sound.

Vitrea radiatula	
Zon. excavatus.	One specimen of var. viridula
Cuncta pygmaea.	One specimen.
Sphyradium edentulum	
Pupa cylindracea.	

Clare Island. Div. No. 1. 9th April 09.

Between Harbour & Area No. 3.

Arion ater	All specimens more or less banded.
" subfuscus	Common.
" fasciatus	Fairly common in places.
Agriolimax agrestis	Nearly all var. brunnea.
" laevis.	Rare
Vitrea radiatula	A few.
Zon. excavatus	All type. Common.
Helix hispida	Common in field on left of road up to school house.
" rotundata	Common.
Pupa cylindracea	Common.

Area No. 3. Shores of ~~Lough~~ Lough Avullin near Maum.

Arion ater	
" subfuscus.	
Agriolimax laevis	
" agrestis	
Limax arborum.	One very pale specimen with very black spots.
Succinea ?	Young specimen very common around Lough.
Vertigo antivertigo	Common in registered alive.
Limnæa truncatula	Common.
Planorbis spirorbis	Only one young specimen seen here.
Pisidium pusillum ?	(138)

[illegible] as 12-Oct. 09.

Area No 3. In moss on hillside above Maum.

Arion ater
" subfuscus.
" intermedius
Vitrea radiatula
" crystallina
Jon. excavatus.
Helix rotundata
" pygmaea
" lamellata.
" aculeata.
Cochlicopa lubrica
Carychium minimum
Clausilia bidentata

Area No 6. Under stone along cliffs. above Tonaltavrie. 500–400 feet.

Arion ater
" subfuscus.
" intermedius
Agriolimax agrestis.
" laevis.
Vitrina pellucida
Pupa cylindracea.

Area No 2. Collected in village above Abbey.

Arion ater.
" subfuscus.
Agriolimax agrestis
" laevis.
Vitrina pellucida
Vitrea alliaria — all var. viridula.
Helix rotundata
" aspersa.
Pupa cylindracea
Pisidium pusillum? = personal B.B. Woodward. (139)

Area No 1. From No 2 along coast to Harbour.

Arion ater
" subfuscus.
Agriolimax agrestis
" laevis.
Jon. excavatus.
Vitrea radiatula
" nitidula.
" crystallina
" alliaria
Sphyradium edentulum
Helix ~~pulchella~~
" itala
" nemoralis
Pupa cylindracea

Vertigo pygmaea. Very small.
Cochlicopa lubrica
Carychium minimum
Limax truncatulus.
Pisidium ~~pusillum~~ = personal B.B.W. (140)

✓ Correct! Do not exc. established "Harbour" mussel with some taken on 19/9/09. A.J.S. 1924

Identified by J.W. Taylor as Vallonia excentrica, Sterki.
a very local colony on a cliff where the sheep apparently could not get at the grass.
Very rare indeed. Libellula 00300. + the type.

Clare Island. continued.

Foormore, Area No. 7. (West End). 10th Apr. 09.

Limax arborum	Very common, large + much spotted almost down to sea level.
Milax gagates	Common with L. arborum.
agriolimax agrestis	
" laevis	
arion ater	
" intermedius	
	(Arion subfuscus was a notable absentee during this morning's collecting.)
Vitrea allisia	Var. viridula common.
" radiatula	Mostly type.
Zon. excavatus	
Euconulus fulvus.	
Helix rotundata	
Succinea pfeifferi	
Cochlicopa lubrica.	
Clausilia fidentata	Very common with L. arborum + M. gagates.
Limnaea peregra	Several small high spired forms = "pools below old Watch Tower." = Lymnaea.
Planorbis spirorbis	a thick very small form taken with L. peregra.
Pisidium pisidium	Identified by J. W. Taylor
" nitidum?	" " "
" ?	

Pupa cylindracea

141 "Crossing mole" of L. peregra.

141A

Area No. 1 continued.

Shore north of Harbour. 11th April. 09.

Vitrea allisia	Var. viridula
Euconulus fulvus.	
Helix pulchella	Identified by J. W. Taylor as Valloxia excentrica, Sterki.
" aspersa.	In pile of stones near "The Pound."
" itala.	In sand dunes near "The Pound."
Cochlicopa lubrica	
Succinea pfeifferi	
Pupa cylindracea	
Vertigo pygmaea.	

Area No. 8. Broaghmore, 800 ft alt. north slope of cliff with alpine plants. 11.4.09.

arion ater	
" subfuscus.	
" intermedius	
agriolimax agrestis	
Limax arborum.	
Vitrea allisia	
" nitidula	
" pura.	Very large var. nitidosa
" crystallina	
Helix rotundata	
" aculeata.	

Clare Island continued.

Croaghmore No. 8. continued.

Helix Cornellata	
" fusca.	Two dead shells in moss.
Cochlicopa lubrica	
Succinea putris	
Clausilia bidentata	
Pupa cylindracea	
" anglica.	
Hyphydrotia edentula	

Area No. 9. continued. in

In hollow above cliffs Coopalt. 11.4.09.

Agriolimax laevis	
" agrestis	
Arion ater.	
" subfuscus.	
" intermedius	
Vitrea alliaria	var. viridula.
" nitidula	
" radiatula	
" crystallina	
Pupa cylindracea.	

Area No. 3. continued.

From old scrub above Lough Avalla 2nd haul of moss. 11th Ap.

Patulina pellucida	
Vitrea alliaria	var. viridula
" radiatula	
Helix Cornellata	
" pygmaea	
" aculeata	
" rotundata	
Cochlicopa lubrica	
Vertigo substriata	

Area No. 5. "Light House Pool" 11.4.09.

Limnaea peregra.	"Breeding"
Pisidium obtusale	B.B.W. (142)

Area No. 6 continued. Beggan Lough. 11.4.09

Limnaea peregra.		
Pis. casertanum	B.B.W.	(142 A)
" Stelae	B.B.W.	"
Limnaea peregra.		
Pis. casertanum	B.B.W.	(142 B)
" milium		

Lough Mizingnagh.

NB. Helix vitala sent me by R.L. Praeger from cliffs S.E. of Light House — May, 1909.

Clare Island continued.

Area No 1 continued

Shore from No 2 to Harbour. 12th Apr. 09.

Agriolimax agrestis	
Limax gagates	One specimen only.
Arion ater.	
" subfuscus.	
" intermedius.	
Vitrea alliaria	Var. viridula.
" radiatula	
" crystallina.	
Helix pygmaea.	
" pulchella	
" rotundata	
" itala	
" revernalis	
Cochlicopa lubrica	
Carychium minimum	
Pupa cylindracea	
Vertigo edentula	
" pygmaea	
" substriata	
Clausilia bidentata.	

Also a specimen — dead & broken — resembling Vitrea schauffi of Kennard in bluff south of Grania West Castle in grass with V. cellaria & H. nemoralis.

V. cellaria

½ pyrm

Area No 2 continued.

The graveyard & abbey. 12.4.09.

Limax arborum.	
Arion ater.	
" subfuscus.	
Agriolimax agrestis.	
Vitrea cellaria	all the white form. Some very fair size dead.
" alliaria	Var. viridula
" radiatula?	
" crystallina.	
Helix aspersa.	
" hispida	Very common.
Pupa cylindracea	
Clausilia bidentata.	

Area No 1. continued

Ditch on left side of road on way from Harbour to Abbey (½ mile). 12.4.09

Limacia peregra.	
" truncatula	
Planorbis spirorbis	
Pisidium pisiller	

(143)

Sand dunes at Harbour 12.4.09

Helix caperata	Very rare (Praeger). Confined to one little dune.
" pulchella	
" hispida	
" itala	animals all very black.
" aspersa.	

Clare Island continued.

Area No I continued. Shore from Harbour to Kinnacorra. 12th Ap. 09.

Limax arborum.	
Agriolimax agrestis.	
Arion ater.	
" subfuscus.	
Vitrea alliaria	Type & var. viridula
" radiatula	
" crystallina	
Zon. excavatus	
Euconulus fulvus?	✓
Helix aspersa.	
" nemoralis.	A colony under stones in a bramble thicket south (¼ mile) of Kinnacorra. Mostly much weathered but one lovely var. rubella ooooo.
" rotundata	
Cochlicopa lubrica	
Succinea putris	
Vertigo pygmaea	
Pupa cylindracea	
" anglica.	

Area No 3. continued.

Coast near Mace. 12.4.09.

Limax arborum	
Agrio. agrestis.	
Arion ater.	
Pupa cylindracea	
Balea perversa	

At Barraun on the Barraun Peninsula 14th Ap. 09.

Agriolimax agrestis	Common.
Limax arborum	By roadside from Achill Sound.
Milax gagates	Only a few seen.
Arion ater	
" subfuscus	
" hortensis	all apparently common.
" fasciatus	
" intermedius	
Vitrina pellucida	a few dead.
Vitrea cellaria-hibernica.	A large quantity of magnificent specimens under stones & walls along sea between the village of Barraun ~~to~~ sand dunes at the entrance to Achill Sound.
" alliaria	All var. viridula.
" radiatula.	Common.
" crystallina	a few.
Zon. excavatus	Type only. A few.
Euconulus fulvus.	Not rare.
Helix ~~pulchella~~	~~Var~~ excentrica ✓ G.J.S. 1924.
" aspersa.	Very abundant along sand-dune walls.
" nemoralis	Great varieties. Some beauties.
" cespitata	Common.
" itala	Small & common.
" rotundata	Common.
Cochlicopa lubrica	Common.

Curraun continued.

Carychium minimum	common.
Pupa cylindracea	common.
Vertigo pygmaea	a few of each in marsh.
" antivertigo	
Planorbis spirorbis	only in one spot.
Limnæa peregra	" " " "
Pisidium pusillum	" " " "
+ var grandis.	Near Achill found + also with last 4 species.

Verified by J. W. Taylor. (144) & (144 A)

Murrish Abbey. Mayo West. 15th ap. 09.

agrio. agrestis	
Arion ater	
" subfuscus.	
" fasciatus.	
Vitrea nitidula	
" radiatula?	
Helix rotundata	All in graveyard
" lapida	of Murrisk.
" rufescens.	
" aspersa	
+	
Milax gagates.	
Pupa cylindracea	
Clausilia bidentata	
+ Carychium minimum	
Cochlicopa lubrica.	

Bog roadside from Westport to edge of Limestone area, on way to Louisburgh.
Mayo West. 15th April, 09.

agriolimax agrestis	
Milax gagates.	Rare.
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
Vitrina pellucida	Dead only.
Vitrea nitidula	Rare.
Helix rupestris	
" rotundata	
" lapida	Rare.
" rufescens	Some nice white shells.
" itala	
Pupa cylindracea	
Carychium minimum	
Cochlicopa lubrica	
Clausilia bidentata	
Balea perversa	Rare.
Vertigo pygmaea	
" antivertigo	Only one

Roonah Lough & drain & sand dunes along shore 3 miles south of Louisburgh. Mayo West. 15th Ap. 1904.

agriolimax agrestis	
" laevis	
Arion ater	
" intermedius	Only one.
Milax gagates	
Zon. nitidus	Rare.
Helix itala.	Very small. The only shell seen on the sand dunes
Cochlicopa lubrica	
Vertigo antivertigo	
Succinea pfeifferi	
Aplexa hypnorum	
Limnaea pereger	
" stagnalis	
" palustris	
" truncatula	
Planorbis crista	
" contortus	
" spirorbis	
" albus }	Both living ~~together~~.
" glabrus }	
Bythinia tentaculata	Very fine.
Valvata piscinalis	Too like V. alpestris.
" cristata	
Pisidium pusillum }	Identified by J. W. Taylor (?)
" nitidum }	
"	

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Roadside near Louisburgh Mayo West. 15 Ap. 04.

Limnaea pereger	
" truncatula	
Planorbis spirorbis	
Pisidium pusillum	
"	

(146)

Westport. roadside collecting towards Ballin Lough on way to Newport. Mayo West. 16th Ap. 04.

Agriolimax agrestis	
Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
Vitrea cellaria	
" crystallina	
Helix rotundata	
" rupestris	
" nemoralis	
" aspersa	
" nemoralis	
" itala	
Cochlicopa lubrica	

Balea fragilis

→ Clausilia bidentata Very broad specimen (much like C. rolphi in appearance) Pupa cylindracea Vertigo pygmaea.

NB. Found nothing in Ballin Lough but it was flooded.

along banks of river below Station ~~+~~ on side of Railway bank at Westport.
Mayo West, Evening 16.4.07.

agrio. agrestis	
" laevis.	
arion ater	
" subfuscus.	
" intermedius	
" fasciatus	
Vitrea cellaria	Rather like V. scharffi, Kennard,
" alliaria Var.	
" radiatula	
" crystallina	
Zonitoides nitidus	
Euconulus fulvus.	
Helix rotundata	
" rupestris.	
" rufescens.	
" hispida.	Rare.
" itala.	
" nemoralis.	
" aspersa.	
Pupa anglica	Fairly common on railway embankment.
" cylindracea	
Cochlicopa lubrica	
Carychium minimum	
Clausilia bidentata	

West port Station continued.

Sphyradium edentula	Very fine specimen in ditch running down to river
Vertigo pygmaea.	
" antivertigo	
Succinea putris	
Physa fontinalis	
Limnaea peregra	
" palustris	
" truncatula	
Planorbis albus	
" spirorbis	
Valvata piscinalis	
" cristata	
Bythinia tentaculata	
Anodonta cygnea.	A small form in river where railway crosses it.
Sphaerium corneum.	
Pisidium pusillum	
" milium	
" pulchellum?	Verified by J. W. Taylor.

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(J 47)

Upper Holywood, Co Down.
awJ & J.H.O.B. 24/4/09

Arion ater	
" subfuscus	
" hortensis	
" fasciatus	
" intermedius	
Agrio. agrestis	
Limax arborum.	
Vitrina pellucida	
Helix rotundata	
" rufescens	Very common. Left way up the Fig hill in Church St.
" nemoralis	
Cochlicopa lubrica	
Clausilia bidentata	

Old Mill ~~between~~ near Farm Hill, ~~between~~ between Comber & Ballygowan. Co Down. awJ & JOBB.
9.5.09.

Agrio. agrestis	
" laevis.	
Arion ater	
" subfuscus	
" intermedius.	
Vitrina pellucida.	Dead only.
Vitrea cellaria	Probably V. hibernica, Kennard.
"	
" alliaria	
" crystallina	
Helix hispida	
" aspersa	
Cochlicopa lubrica	
Pupa cylindracea	
Clausilia bidentata	
Limnaea peregra	
" palustris	
Planorbis leucostoma	
" contortus	
Physa fontinalis	
Anculus fluviatilis	Very fine in the "tail race" of the old mill.
Valvata piscinalis	Very common.
Pisidium pusillum	
" fontinale?	

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Ballyrush Moss near Ballygowan.
Co. Down aws + FOBB. 9.5.09

Limnæa peregr. Type + Var Boissyi.
" palustris.
Cisidia pusilla ?
" milium ✓

(149)

Gill's Quarry at Ballygowan Co. Down.
9.5.09.

Limnæa peregr.

Ballyallaly Lough, near Comber, Co. Down
9.5.09.

Limnæa peregr
" palustris
Physa fontinalis
Planorbis crista.
" fontanus.
" contortus
Valvata cristata
Bythinia tentaculata
Acroloxus lacustris
Cisidia milium ? ✓
" pulchella ? ✓ } Verified by J. W. Taylor. (150)
" nitidum ✓

Magherascouse Lough at Ballygowan, Co. Down
aws + FOBB. 9.5.09

Limnæa peregr.
" palustris
Physa fontinalis
Planorbis altus
" 'leucostoma'
" contortus
Acroloxus lacustris
Valvata cristata
" piscinalis
Sphærium corneum
Cisidia pusilla ✓
" milium ✓ } Verified by J. W. Taylor. (151)
" pulchella ✓

Ditch 2 miles north-west of Drogheda. Co. Louth
aws. 14.5.09.

Arion ater
Helix rotundata
" hispida Very small + like S.E. English examples.
" nemoralis Dead
" aspersa Dead.
Succinea sp? Young specimen only – like S. putris.
Pupa cylindracea
Limnæa palustris
" pusilla.

In ruins of cottage where road to Mellifont leaves main road from Drogheda to Collon. Co Louth.

AWS. 14.5.09.

Agrio. agrestis	
Limax maximus	
" flavus.	
Arion ater	
" subfuscus	Very fine.
Vitrea scharffi.	? + Cochlicopa lubrica
Helix hispida.	also fine.
Pupa cylindracea	
Balea perversa	Rare.

In marsh by right of road.

Succinea pfeifferi	
Limnaea palustris	
Planorbis contortus.	
Pisidium pusillum.	152 missing

Round old cottages near Millview Cottage 1 mile east of Collon, Co Louth. AWS. 14.4.09.

Limax arborum.	
" maximus.	
Agrio. agrestis.	
Arion ater	
" subfuscus	
" fuscatus.	a brownish form. ← fasciatus (109)! MK. 1972

Near Collon continued

Milax gagates.	
Vitrina pellucida.	
" pyrenaica.	Over a dozen dead specimens – some very fine – at the root of grass in company with V. pura, Helix rotundata, H. hispida & Cochlicopa. This is 1½ east of Grierson's original habitat in Temple demesne.
2nd British record. See I.N.	
Vitrea scharffi.	?
"	
" nitidula.	
" pura.	Very common (type) but all dead.
Helix rotundata.	
" hispida.	
" nemoralis.	
" aspersa.	
Cochlicopa lubrica	
Pupa cylindracea	
Vertigo pygmea.	One specimen only.

Co Meath.
AWS. 14.5.09

Roadside from bollon to Slane.

Arion ater	Very large & black in wood at bollon bridge.
" hortensis	With above.
Agrio. agrestis	
Vitrea scharffi	
" crystallina	
" pura.	With A. ater.
Helix rotundata	
Bythinia tentaculata	
Pupa anglica.	In moss in ditch 2 miles from Slane.
" cylindracea.	
Helix nemoralis	
" aspersa.	

In quarry hole above Slane.

Limnea peregra	
" palustris	
Valvata piscinalis	Extraordinary specimen. Very large & high spired. Almost like V. antiqua, Scarty. from Slane deposits.
Pisidium pusillum	
" pulchellum	
" fontanum	

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Boyne Canal opposite Slane
Co Meath. AWS. 14.5.09.

Agrio. agrestis.	
Arion ater.	
" fasciatus.	
" subfuscus.	
Vitrina pellucida	
Vitrea cellaria.	Probably V. scharffi. A.S.K. No. Typical V. cellaria
" alliaria.	One specimen.
"	
"	
Helix rotundata	
" rupestris	
" hispida.	
" rufescens.	
" nemoralis	
" aspersa.	
Bythinia tentaculata.	
Succinea putris	
" pfeifferi.	
Pupa cylindracea	
" muscorum.	
Balea perversa	
Clausilia bidentata	
Limnaea peregra	
" palustris	
Physa fontinalis	
Planorbis albus?	
" carinatus. Very typical	
Valvata cristata	
" piscinalis.	
Bythinia tentaculata.	
Sphaerium corneum.	
Pisidium ammicum	
"	
"	

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Marsh &c below Viaduct at Drogheda.
Co. Meath. A.W.S. 14.5.09.

Arion ater	
Vitrea lucida.	Dead only. I have now no doubt that the specimen taken here by myself & C.E. Wright in Sept. 06. see p. 70. are true Vitrea lucida.
Helix virgata	Dead.
" acuta	Dead.
" aspersa.	
" rotundata	
Pupa cylindracea	
" muscorum.	
Limnaea pereger.	High spire.
" truncatula	
Succinea pfeifferi	
Paludestrina jenkinsi	
" stagnalis.	

NB. The Helix hispida of the Boyne Valley, reminds me very much of those from the S.E. of England.

Drogheda. B.N.F.C. Excursion.
River Boyne &c at Obelisk.
Co Louth. A.W.S. 22.5.09.

Agrio. agestis	
Arion ater	
" subfuscus.	
Vitrea scheuffi.	
" nitidula	Var. 'helvia'.
Helix rotundata	
" rupestris	
" capersata.	All dead.
" hispida.	
" rufescens.	
" aspersa.	
" nemoralis.	
Cochlicopa lubrica	
Pupa cylindracea	
Clausilia bidentata	
Succinea putris	
Planorbis carinatus	
" contortus	
Limnaea pereger	
" palustris	One curiously thickened shell or stone in river.
Bythinia tentaculata	
Valvata piscinalis.	

Boyne opposite Obelisk. Co Meath.
R. A.W.S. 22.5.09.

Agrio. apestis
Vitrea Schaeffi
Helix rotundata
" rufescens
" hortensis.
Succinea putris.
Clausilia bidentata.
Pupa cylindracea.

One typical specimen taken by Mr Knatchbull Jun.

Newgrange Tumulus &c. Co Meath.
RW, J.N.M. + A.W.S. 22.5.09.

Limax ater.
Agrio. apestis.
Arion ater
" subfuscus
" intermedius.
Vitrina pellucida.
Vitrea nitidula
" Schaeffi.
Helix rotundata
" hispida
" rufescens
" nemoralis
" aspersa.
Pupa cylindracea
Clausilia bidentata

J. N. Milne.

F. Balfour Browne took Planorbis vortibicinus in Canal opposite Newgrange.
22.5.09.

Bank of Mattock River opposite Mellifont.
Co Meath. A.W.S + J.N.M. 22.5.09.

Arion ater
Helix aspersa
" rufescens
Cochlicopa lubrica.
Pupa cylindracea
Clausilia bidentata.

Mattock River.

Anodonta fluviatilis.

Mellifont Abbey &c. Co. Louth.
RW, J.N.M + A.W.S. 22.5.09.

Agriolimax agrestis
" laevis.
Arion ater
" subfuscus
" intermedius
Vitrina pellucida
" pyrenaica.

The dead shell found by R. Welch on wall of church yard just above Mattock River.

Vitrea Schaeffi.
" nitidula
Euconulus fulvus
Helix rotundata
" rufescens
" hispida.

Mellifont. Co Louth. continued.

Helix rufescens
" nemoralis
" aspersa.
Cochlicopa lubrica
Pupa cylindracea
Clausilia bidentata

Monasterboice abbey &c. Co. Louth.
R.W., J.W.M. & awl. 22.5.09.

Arion ater
" subfuscus
" hortensis
Agrio. agrestis.
Limax arborum.
Vitrina pellucida
" pyrenaica. Two alive (R.W) & about a dozen dead at roots of grass among moss.

Vitrea cellaria
"
Helix rotundata
" hispida
" nemoralis
" aspersa.
Cochlicopa lubrica
Pupa cylindracea
Clausilia bidentata.

Bushfoot. Tramway bridge over Bush River.
awl. RW + FCB-B. 29.5.09.
Co. Antrim.

Arion ater
" hortensis
" fasciatus
Agrio. agrestis
Vitrea alliaria. Dead.
" pura.
Euconulus fulvus
Helix hispida
" nemoralis
Succinea Pfeifferi
(Planorbis carinatus. 1898).
(Valvata piscinalis 1898).
Bythinia tentaculata
(Limnaea peregra 1898).
Pisidium pusillum
" obtusale (155)
" fontinale.
along Tramway on land down towards Giant's Causeway.
Helix itala
" caperata all dead.
" hispida
" nemoralis
" aspersa.
Cochlicopa lubrica
Clausilia bidentata.

Bushfort. Swamp in Sand Hills.
Co Antrim. 29.5.09

Arion ater.	
Agris. aculeata	
" lævis.	
Vitrea radiatula	& crystallina. (Va contracta?)
Euconulus fulvus.	
Helix rotundata	
" hispida	
" pygmæa	
Pupa anglica.	common.
" cylindracea.	Rare.
Sphyradium edentulum.	One dead broken shell.
Vertigo substriata	Quite common.
Cochlicopa lubrica.	
Succinea pfeifferi	
Carychium minimum	
Limnæa pereger.	
Acicula lineata.	
Pisidium pusillum	

(156) missing

Sandarave Wood, Bushmills.
Co. Antrim. A.W.S. 29.5.09.

Limax maximus.	Spotted. Very fine.
Arion ater	
" subfuscus	
" fasciatus	
Agris. aculeata.	
Vitrea pellucida.	a few very fine dead specimens.
Vitrea hiberniana?	a large colony of exceedingly large shells. Quite as large as ordinary V. lucida.
" nitidula	
Helix rotundata	
" hispida.	Very fine specimens.
Pupa anglica.	One specimen.
Clausilia bidentata.	

Dunluce Church &c. A.W.S. 29.5.09
Co Antrim.

Arion ater	
" subfuscus.	
Agris. aculeata	
Vitrea ?	One young probably V. hiberniana.
" alliaria.	
Helix rotundata.	
" hispida.	
" aspersa.	
" nemoralis	
Pupa cylindracea	
Cochlicopa lubrica.	& Clausilia bidentata. (See I.N. 1901).

In flax dam 200 yds. above Church.
Planorbis contortus.
A.W.S.

Killough Marsh, Co Down.
ans. RW + FOB. 13.6.09.

agrio. agrestis	
" laevis.	
arion ater	
" subfuscus	
Vitrea nitidula.	Dead.
Euconulus fulvus	
Helix rotundata	
" hispida	
" nemoralis	
Cochlicopa lubrica	
Carychium minimum	
Pupa cylindracea	
Succinea Pfeifferi	Very fine & large.
Vertigo pygmaea	
Physa fontinalis	
Aplexta hypnorum	
Limnaea peregr.	
" palustris	
" truncatula	
Planorbis spirorbis	Very fine
" contortus	
" carinatus	
" crista	
Valvata cristata	
" piscinalis	

Bythinia tentaculata	
Sphaerium lacustre	Common. a nice small form
Pisidium pusillum	
" fontinal.	
" pulchellum.	
Paludestrina ventrosa.	Common in brackish lake. Shades from. "Strand Lough" 1st record for Co. Down.
" stagnalis	With P. ventrosa

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"The white bog" & on towards St. John's Pt,
Killough. Co Down. 13.6.09.

arion ater		
" subfuscus.		
agrio. agrestis		
Vitrina pellucida	Dead.	
Vitrea scholtzi		
" alliaria.	Dead.	Var. viridula
" nitidula.	Dead.	
" crystallina.		
Helix nemoralis		
" aspersa.		
" hispida.		
" rotundata.		
Pupa cylindracea		
Clausilia bidentata		
Succinea Pfeifferi		

"The white bog" Killough continued.

Limnæa peregra.	
" truncatula	
" palustris.	
Planorbis carinatus	a small form not sharply keeled.
" contortus.	
" spirorbis.	
Pisidium milium.	(158) Missing. Probably correct. See Vol. p.

Acton Wood near Poyntzpass, Co. Armagh.
A.W.S. 20.6.09.

Arion ater	
" hortensis	
Vitrina pellucida.	Dead.
Vitrea nitidula	
" alliaria	Fairly common alive.
" pura.	Young alive. Full grown dead shells common.
" radiatula	Rare.
" crystallina	Vitrea alliaria? One dead spec.
Euconulus fulvus.	
Helix rotundata	
" rupestris	
" aspersa.	
Cochlicopa lubrica	
Sphyradium edentatum	
Pupa anglica	
" cylindracea.	& Cl. bidentata.

Small lake near Scarva in Co. Armagh.
A.W.S. 20.6.09.

Limnæa peregra	
" palustris	
Succinea Pfeifferi	
Physa fontinalis	
Planorbis carinatus	Very abundant.
Valvata cristata	
" piscinalis	
Bythinia tentaculata	
Sphærium corneum	
Pisidium milium	(159)
"	

Canal banks fr. Poyntzpass to Dyan's Bridge near Portadown in Co. Armagh.
A.W.S. 20.6.09.

Agrio. agrestis	
Limax arborum	Dyan's Bridge
" maximus	" "
Arion ater	
" subfuscus	
" fasciatus	Dyan's Bridge.
Vitrina pellucida.	Dead.
Vitrea hibernica?	Dyan's Bridge
" crystallina	
" nitidula	
Helix rotundata.	

Canal near Portadown continued

Helix hispida	
" nemoralis	Several white lipped. One near Sarra very like H. Lenticeni.
" aspersa	
Cochlicopa lubrica	
Clausilia bidentata	
Pupa cylindracea	
Succinea putei	One near Ogle's Bridge. Very pale amber colour.
" pfeifferi	Ogle's Bridge
Physa fontinalis	
Limnaea pereger.	
" stagnalis.	
" palustris.	
Planorbis contortus	
" carinatus	
Bythinia tentaculata	
Valvata cristata	
Sphaerium corneum	
Pisidium amnicum.	One dead valve in brook at Sarra Junction.
" nitidum	
" fontinale	
" pisidium.	

(160)

Limavady Junction. Co Derry.
A.W.S. & F.C.B. 26.6.09.

Limax maximus	
agrio. agrestis	
arion ater	
" subfuscus.	
Vitrina pellucida	Dead.
Vitrea nitidula	Dead.
Helix hispida	
" itala	Young near station
" aspersa	
Cochlicopa lubrica	
Planorbis spirorbis.	
Succinea pfeifferi.	
Limnaea pereg.	
" truncatula	
Paludestrina jenkinsi.	Swarming everywhere
" stagnalis.	A very small form like P. ventrosa.
Physa hypnorum.	Also its var. P. denticulata along sea dyke.
Aplecta hyporum.	

NB. J. N. Milne tells me that Aplecta hyporum, Planorbis cristatus & Pl. spirorbis used to be extremely common in these marshes before the appearance of Pal. jenkinsi. Pl. cristatus has now entirely disappeared & the other two sp. are very rare.

A.W.S. 26.6.09.

Walworth Woods, Co. Derry.

A.W.S. 26.6.09.

Species marked J. N. M. have been taken here by Mr J. N. Milne & verified by Dr Scharff.

Limax arborum.	
" maximus.	
" C. nigor.	J. N. M.
Agrio. agrestis.	
Arion ater	
" subfuscus	
" intermedius	
" fasciatus	
Vitrea nitidula	
" alliaria.	All var. viridula.
" radiatula	Var. viridula.
" pura.	Dead.
" crystallina	
Euconulus fulvus	
Zonitoides excavatus	One spec. Var. viridula. J. N. M. also
Helix rotundata	
" nemoralis	
" hortensis	Very common in parts of Wood. J. N. M. also.
" aculeata	J. N. M.
" fusca.	J. N. M.
Cochlicopa lubrica	

Pupa anglica	
" cylindracea	
Vertigo edentula	
" pygmaea	J. N. Milne.
Balea perversa	also Paisley — J. N. M.
Succinea putris	

Valley of the Roe at Roe Park, Limavady
Co. Derry.
Collected by J. N. Milne on B.N.F.C. Excursion 26.6.09.

Limax arborum	
" flavus.	
" maximus	
Agrio. agrestis	
Arion ater	
" subfuscus.	
" hortensis	
" fasciatus	
Vitrina pellucida	Dead.
Vitrea nitidula	
" pura	
" crystallina	
Zonitoides excavatus	
Helix rotundata	
" hispida	
" nemoralis	

Valley of the Roe continued.

Helix aspersa.
" aculeata
Cochlicopa lubrica
Pupa cylindracea
Limnæa peregra.
Pisidium pusillum. J. H. M. collection.

B.N.F.C. Annual Excursion. 1909.

Enniskillen, Co Fermanagh. 9th July.

arion ater
agrio. agrestis
Vitrea cellaria. Like V. Lucernica, Kennard.
" crystallina
Helix rotundata
" lapicida
" pygmæa. Longfordown.
" rufescens
" aculeata In moss on shore of Lough Joan.
" nemoralis
Cochlicopa lubrica "
Pupa cylindracea
" anglica.
Clausilia dubitata
Limnæa peregra.
" palustris.
" stagnalis.

Physa fontinalis
Planorbis albus
" carinatus
" vortex
" contortus
Bythinia tentaculata
Valvata piscinalis
Sphærium corneum
Pisidium pusillum Lough Joan. (161)

NB. all on park of River Erne at S.L.&N.C.Ry except those marked Lough Joan.

Lough Gallagh West of Enniskillen, Co. Fermanagh
10th July. 09.

Helix lapicida
" rotundata
" nemoralis
Pupa cylindracea
Limnæa peregra
" stagnalis
Physa fontinalis
Planorbis contortus
" carinatus
Valvata cristata
" piscinalis
Bythinia tentaculata

Sphærium corneum.
Pisidium pusillum
" milium (162)
" fontinalis

Glencurney Bridge near Enniskillen.
Co Fermanagh. 10th July, '09.
awS.

Arion subfuscus.
" ater.
Vitrea cellaria. Lifa V. Liternica.
Helix rotundata
" rupestris
" nemoralis.
" lapida.
" rufescens.
Cochlicopa lubrica
Pupa cylindracea
Balea perversa
Clausilia bidentata
Acrolocus lacustris Dead in river.
Bythinia tentaculata
Sphaerium corneum.

Shore of Lough Macnean, (Rown), Co Fermanagh.
awS. 10th July, '09.

Agrio. agrestis.
Vitrea cellaria. Lifa V. Liternica
Euconulus fulvus
Zonitoides nitidus
Helix rupestris
" rufescens
" nemoralis
Cochlicopa lubrica

Clausilia bidentata
Pupa cylindracea
Vertigo antivertigo
Succinea pfeifferi
Limnaea palustris
" stagnalis. Limnaea peregra.
Bythinia tentaculata
Sphaerium corneum

Agrio. agrestis

Black lion, Co. Cavan.
awS. 10th July, '09

Agrio. agrestis
Limnaea peregra
Planorbis contortus
Succinea pfeifferi In drain along river
Valvata cristata
Sphaerium corneum

Vitrea allaria
Helix rotundata
" rufescens
" nemoralis By cottage 1 mile west of Village.
"
Pupa cylindracea
Clausilia bidentata

Eiskeagh Mountains, Co. Cavan.
500 to 600 ft. alt. AWS. 10th July, '09

Arion ater	
" intermedius	
" fascicularis	
Agrio. agrestis.	
Vitrea alliaria.	Like V. hibernica.
" alliaria?	One spec. dead.
" radiatula	
" pura.	
" nitidula.	
" crystallina	
Helix rotundata	
" rupestris	
" hispida	Small high spired form.
" nemoralis	
Pupa anglica	
" cylindracea	
Ophyodon edentulus	
Vertigo pygmaea	
" ~~alpestris~~. substriata	
" antivertigo ✓?	No clausilia seen at all
Cochlicopa lubrica.	
Succinea Pfeifferi	
Limax palustris	Common in peat bog. close on 700 ft. alt.
Pisidium pusillum	With L. palustris (163)

Glenade Mountain, 1400 ft. alt., Co. Leitrim.
AWS. 11th July, '09.

Agrio. agrestis	
Arion subfuscus.	Nearly black.
Vitrea alliaria	
Euconulus fulvus	All living on the outcrops of rock which project above the peat bog covering of the mountain.
Helix rupestris	
" hispida	
Pupa cylindracea	

Glenade Mountain, 1000 ft. alt. Co. Leitrim
AWS. 11th July.

Agrio. agrestis	
Arion ater	
" subfuscus	
Vitrea nitidula	All living on the great cliffs which overlook the Glenade Valley.
" alliaria	
" pura	
" ~~[illegible]~~	
" crystallina	
Euconulus fulvus	
Helix hispida	Carychium minimum.
" nemoralis	Pupa cylindracea.
" rupestris	Ophyodon edentulus.
"	
Cochlicopa lubrica	

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